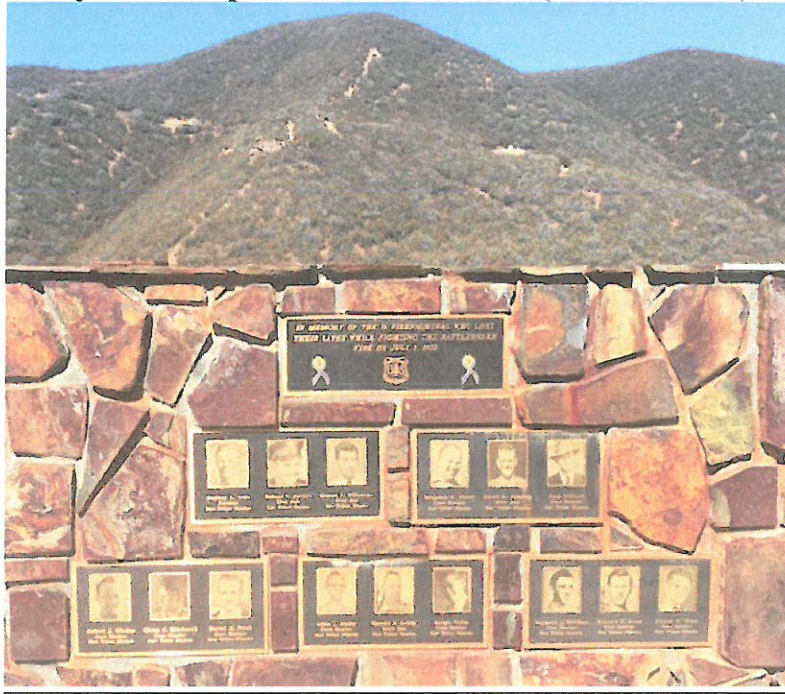


Mendocino Complex

Incident Action Plan

Day Shift September 22nd, 2018 (0700 – 1900)




The Historical Beginning of the Standard Fire Orders

June 17th, 1957


There are a large number of factors that were common to many but not all of the fires. Any analysis now is limited by suitability of records. Based on a critical hindsight look, we have grouped under eleven captions the factors which seemed to us to be significant. They are as follows:

1. Unexpected fire behavior - Basic elements not understood; indicators of change in usual fire behavior not recognized; local fire weather forecasts not obtained, inaccurate, or not understood.
2. Instructions - Not followed, not clear, or not given.
3. Foremanship - Lost control of men at critical time.
4. Line supervision - Overhead busy on minor jobs, not available when major decisions had to be made.
5. Communication - Not available, not used, or broke down.
6. Firefighting strategy and tactics - Control effort made in wrong location or without adequate margin for safety; detailed line location incorrect.
7. Scouting - Not done, not thorough, too dependent on air scouting.
8. Escape plan - Not formulated, not explained, not executed.
9. Lookout posting - Routine practice not followed.
10. Organization - Men and machines committed to action without adequate supervision, or without adequate tie to rest of organization.

**Maintain a High Level of
Situational Awareness
CA-MEU-008674, PNL1VW18 (1502)
Mendocino National Forest
Northern California Incident Management Team 1**

INCIDENT OBJECTIVES	1. Incident Name Mendocino Complex	2. Date 09/21/2018	3. Time 1600
4. Operational Period September 22, 2018 DAY SHIFT			
<p>LEADERS INTENT:</p> <ul style="list-style-type: none"> Evaluate all incident management actions in consideration of values at risk and the probability of success. Utilize a combination of appropriate tactics to provide for responder safety while minimizing responder exposure to hazards. <p>CONTROL OBJECTIVES:</p> <ul style="list-style-type: none"> Keep the Ranch Fire within current containment lines. <p>MANAGEMENT OBJECTIVES:</p> <ul style="list-style-type: none"> Ensure firefighter, public, and aviation safety are the highest priorities. Protect private property, improvements, and infrastructure. Ensure coordinated, timely, and accurate release of public information. Continue fostering and maintaining relationships with all cooperators and stakeholders. Minimize impacts to natural resources, cultural and heritage resources, and the Snow Mountain Wilderness. Coordinate with Resource Advisors to implement suppression repair according to the plan and agency policy. Coordinate with BAER Resources to ensure accountability and logistical needs. 			
7. General Safety Message			
<ul style="list-style-type: none"> See attached safety messages. 			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Weather	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> ICS215a	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> Rehab Considerations	
9. Prepared by (Planning Section Chief) Alan Taylor	10. Approved by (Incident Commander) Curtis Coots 		

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:		2. Operational Period: 0700-1900	
MENDOCINO COMPLEX		Date/Time From: 09/22/2018 0700 SAT	Date/Time To: 09/22/2018 1900 SAT
3. Incident Commander(s) and Command Staff:			
IC	CURTIS COOTS DUSTAN MUELLER (T)	COMMUNICATIONS UNIT	RICK STONE
DEPUTY	JAIME GAMBOA	MEDICAL UNIT	JOSH RAMEY
SAFETY OFFICER	JEFF BARNHART / STEVE DAVIS NATE GOGNA (T)	SECURITY UNIT	CLINT ROBBINS
INFORMATION OFFICER	PHYLLIS SWANSON / SHAWN COMPTON	FOOD UNIT	MARK MCGUINNESS / JAY WESTLAKE
LIAISON OFFICER	KENT SWARTZLANDER	7. Operations Section:	
4. Agency/Organization Representative(s):		OPS SECTION CHIEF	ALEC LANE
Agency/Organization	Name	PLANNING OPS	JEFF DUPRAS (T)
USFS	ANN CARLSON	DIVISION A/G	SHANNON BANKS
UPPER LAKE RANGER DISTRICT	FRANK AEBLY	DIVISION H	KRIS SHROEDER DANIEL GUSE (T)
STONYFORD RANGER DISTRICT	CHRISTINE HILL	DIVISION I	BILLY COVERT
OES	DAVE FRANKLIN	DIVISION J/K/L	PETE ENGLISH
CCC	KEN MCDONALD	7b. Air Operations Branch:	
LEAD READ	CHAD ATWOOD	AIR OPS BRANCH DIRECTOR	KERRY KOSKELA
		HELIBASE MANAGER	ROGER CABALLERO
		8. Finance/Administration Section:	
		CHIEF	LOIS CHARLTON
		TIME UNIT	MAGGIE PROCHAZKA
		COMPENSATION UNIT	
		COST UNIT	LOU ANN CHARBONNIER (T)
		EQTR	SARAH REID KENNETH SIMMONS (T) KARILYN PUTT (T)
		PROCUREMENT UNIT	LOUISE CASIAS
5. Planning Section:			
CHIEF	WALTER HERZOG / ALAN TAYLOR		
RESOURCES UNIT	RITA MUSTATIA JENNIFER MARTIN (T)		
DOCUMENTATION UNIT	MICHELLE HALE		
FIRE BEHAVIOR ANALYST	MIKE BEASLEY		
GIS SPECIALIST	KIM DENIZ		
6. Logistics Section:			
CHIEF	RICKIE CROWTHER / DAVE ALICEA (T)		
DEPUTY	MIKE JELLISON		
SUPPLY UNIT	RON PIERCE		
FACILITIES UNIT	JEFF HUHTALA / FRANK DELCARLO		
GROUND SUPPORT UNIT	HARRY ZABEL MARK VARDANEGA (T)		
9. Prepared By:	Name: ALAN TAYLOR	Position/Title: PSC2	Signature:
ICS 203	IAP Page	Date/Time: 09/21/2018 1157	

**September 22 Spot Wx Forecast for west side of Ranch Fire
(NWS Eureka)**

.DISCUSSION...Cooler afternoon high temperatures are expected this weekend, with highs generally in the 80s on Saturday and in the upper 70s to mid 80s by Sunday. This will result in higher minimum RH values than in recent days, bottoming out in the upper teens to low 20s on Saturday and in the low to mid 20s by Sunday. Overnight RH recoveries Saturday night should also be a little better than previous nights. Max wind speeds will be around 10 mph out of the west-northwest on Saturday afternoon, then becoming lighter and more northerly overnight. Winds will once again pick up and shift to the west-northwest Sunday afternoon, but should be lighter than Saturday afternoon. Warmer and drier conditions may be in store for next week as potential offshore flow develops. No rain is expected in the next week.

.SATURDAY...

Sky/weather.....Mostly sunny.
Max temperature.....79-89.
Min humidity.....17-25 percent.
Wind (20 ft).....Variable 2 to 4 mph...becoming west-northwest 5 to 10 mph in the afternoon.
Mixing height.....0 ft AGL increasing to 1700-2400 ft AGL late in the morning.
Transport winds.....Northwest around 6 mph.
CWR.....0 percent.
LAL.....1.

.SATURDAY NIGHT...

Sky/weather.....Partly cloudy
Min temperature.....48-56.
Max humidity.....58-70 percent.
Wind (20 ft).....Northwest winds 5 to 10 mph in the evening becoming north-northeast 5 mph during the night.
Mixing height.....2000 ft AGL decreasing to 0-300 ft AGL by midnight.
Transport winds.....Northwest 5 to 8 mph.
CWR.....0 percent.
LAL.....1.

.SUNDAY...

Sky/weather.....Sunny.
Max temperature.....76-86.
Min humidity.....21-27 percent.
Wind (20 ft).....North winds around 5 mph...shifting to the west-northwest 5 to 7 mph in the afternoon.
Mixing height.....0-300 ft AGL in the morning rising to 1500-2000 ft AGL by noon.
Transport winds.....Northwest around 6 mph.
CWR.....0 percent.
LAL.....1.

**September 22 Spot Wx Forecast for east side of Ranch Fire
(NWS Sac)**

.DISCUSSION...
A dry trough of low pressure will move over the region bringing cooler temperatures, slightly higher relative humidities and stronger winds to the location.

.SATURDAY...

Sky/weather.....Partly cloudy.
Max temperature.....83-88.
Min humidity.....16-21 percent.
Wind (20 ft).....
Slope/valley.....Northwest winds up to 7 mph shifting to the south up to 10 mph with gusts to around 16 mph in the afternoon.
Ridgetop.....West around 5 mph.
Mixing height.....100-1900 ft AGL increasing to 4700-5100 ft AGL early in the afternoon.
Transport winds.....West around 5 mph.
CWR.....0 percent.
LAL.....1.

.SATURDAY NIGHT...

Sky/weather.....Partly cloudy.
Min temperature.....52-59.
Max humidity.....47-62 percent.
Wind (20 ft).....
Slope/valley.....West winds up to 10 mph. Gusts up to 21 mph in the evening.
Ridgetop.....Northwest around 5 mph.
Mixing height.....4700 ft AGL decreasing to 100 ft AGL early in the evening.
Transport winds.....Northwest around 5 mph.
CWR.....0 percent.
LAL.....1.

.SUNDAY...

Sky/weather.....Mostly sunny.
Max temperature.....80-85.
Min humidity.....20-25 percent.
Wind (20 ft).....
Slope/valley.....West winds up to 7 mph.
Ridgetop.....Light winds.
Mixing height.....100 ft AGL increasing to 4300-5500 ft AGL.
Transport winds.....Light winds.
CWR.....0 percent.
LAL.....1.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 56

TYPE OF FIRE: Wildfire

FIRE NAME: Ranch Fire

OPERATIONAL PERIOD: Sept. 22nd 0700-1900

DATE ISSUED: September 21st

TIME ISSUED: 1900

UNIT: Mendocino National Forest

SIGNED: Mike Beasley FBAN

INPUTS

DISCUSSION:

****For specific weather information, see Spot Weather Forecasts (east & west)****

OUTPUTS

GENERAL: Smoldering with minimal active fire behavior expected today. All activity will occur inside the containment lines where islands and pockets of fuel are burning off. No new perimeter growth is expected. Cooler conditions with higher humidity will continue to dampen fire activity within the perimeter. South facing slopes with available fuels may show smoke by early afternoon. Expect unburned fuels on Crockett and St. John's Peaks to intermittently consume and produce light smoke. Live and dead/down fuel moistures are very low. Short runs are possible in all fuel types when wind and slope align.

At the head of the fire in an unburned island or initial attack of a sloopover or new fire, *for those conditions where wind and slope are in alignment*, expect:

Fuel Type	Max Flame Length	Max Rate of Spread	Spotting	Probability of Ignition-Day
Grass (gr4)	5-17'	23-273 ch/hr	< 0.3 mi	83-89%
Brush (sh7)	7-22'	9-97 ch/hr	< 0.3 mi	83-89%
Timber Understory (tu5)	5-12'	3-23 ch/hr	< 0.3 mi	83-89%
Timber Litter (reburn) (tl3)	1-2'	0.5-4.5 ch/hr	< 0.3 mi	83-89%

SPECIFIC FIRE BEHAVIOR:

All Branches

Interior smoldering in stumps, logs and duff layer. Watch for areas where incomplete burns occurred, allowing for possible reburns. Burn down period will temper fire behavior. Keep alert to clearer days with warmer temperatures, which could lead to increased fire behavior.

New Fires

Expect light flashy fuels (grasses, long-needed pine litter) to be the predominant carrier of the fire. Spread will be primarily fuels and topography driven. Areas of opportunity/tactical advantage will be where slope reversals occur or fuel model changes. Once fire is established in timber understory or timber litter, fire spread will be by way of spotting, leading to short crown runs on steepest slopes. Eye-level winds > 8 mph and relative humidity < 30% will see significant increases in fire characteristics, including transition to canopy fuel involvement.

AIR OPERATIONS


Visibility will be good, except in the immediate areas where green islands continue to clean up.

Sunrise: 6:58 am Sunset: 7:07 pm

SAFETY

- Hazards throughout the fire area include: interior green islands and slopes, heavy surface fuel accumulations, needle-draped brush, ash pit/stump holes, fire weakened trees, and rolling material.
- For new starts, light flashy 1-hour fuels are the primary carrier of the fire. Rapid action is important prior to fire becoming established in heavier fuels.

Division/Group Assignment List (ICS 204 WF)
Controlled Unclassified Information//Basic

1. Incident Name:			3.			
MENDOCINO COMPLEX			Branch:		Division/Group:	
2. Operational Period: 0700-1900					A/G	
Date/Time From: 09/22/2018 0700 SAT			Date/Time To: 09/22/2018 1900 SAT			
4. Operations Personnel						
OPERATIONS CHIEF		ALEC LANE		DIVISION/GROUP SUPERVISOR		SHANNON BANKS
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
ENG3 CA-MNF E-45 E-300816		10/05			UPPER LAKE /0745	UPPER LAKE/1945
ENG7 CA-MNF PT-47 E-300790		09/25	NATHEN WEESE	2	UPPER LAKE /0745	UPPER LAKE/1945
WTS2 PVT INGRAM E-300361		09/25	RYAN GRABBLE	1	UPPER LAKE /0745	UPPER LAKE/1945
WTS2 PVT TURRI E-300362		09/29	CHRIS DEMO	1	UPPER LAKE /0745	UPPER LAKE/1945
DOZ2 MNF 3 E-300169		10/03	SEAN D LYNCH	4	UPPER LAKE /0745	UPPER LAKE/1945
GRD PVT ULSH E-300707		09/28	DALE ULSH	1	UPPER LAKE /0745	UPPER LAKE/1945
6. Control Operations/Work Assignments:						
Patrol and mop up as needed. Repair and maintain road network in accordance with suppression repair plan and engineering.						
7. Special Instructions:						
SELF SUFFICIENT IN UPPER LAKE						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 - MNF FIRE NET	171.5500N		164.5000N	1,2,4,6,7	A
TACTICAL	2 - NIFC T1	168.0500N		168.0500N		A
AIR TO GROUND	13 - R5 A/G 14	167.5000N		167.5000N		A
MEDICAL	15 - CALCORD	156.0750N		156.0750N	T6 - 156.7	A
AIR GUARD	16 - AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
JENNIFER MARTIN			ALAN TAYLOR 		09/21/2018	1157

Division/Group Assignment List (ICS 204 WF)
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MENDOCINO COMPLEX		Branch:	Division/Group:
2. Operational Period: 0700-1900			H
Date/Time From: 09/22/2018 0700 SAT	Date/Time To: 09/22/2018 1900 SAT		


4. Operations Personnel			
OPERATIONS CHIEF	ALEC LANE	DIVISION/GROUP SUPERVISOR	KRIS SCHROEDER
DIVISION SUPERVISOR	DAN GUSE (T)		

5. Resources Assigned this Period					
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
HC2 SCORPIONS 5 C-300244	10/02	SCOTT WOOD	20	STONYFORD/0700	STONYFORD/1900
HC2 BIRRUETA C-300242	09/30	JOSE IBARRA	20	STONYFORD/0700	STONYFORD/1900
ENG3 CA-MNF E-352 E-300782	09/22	EVERETT FREEMAN	5	STONYFORD/0700	STONYFORD/1900
ENG3 OR-MAF E-643 E-300783	09/23	RICH RENEAU	3	STONYFORD/0700	STONYFORD/1900
ENG6 PVT WILDLANDS-22 E-300588	09/22	STEPHEN RAYMOND	3	STONYFORD/0700	STONYFORD/1900
ENG6 PVT-FIRESTORM E-300773	10/04	JOSHUA BRADLEY	3	STONYFORD/0700	STONYFORD/1900
WTS1 PRECISION E-300398	10/05	MIKE DAINAUSKUS	1	STONYFORD/0700	STONYFORD/1900
WTS1 PVT NORTHSTATE E-300402	10/02	MIKE CARPENTER	1	STONYFORD/0700	STONYFORD/1900
WTS1 PVT SEMPLE E-300412	10/05	RANDY HORN	1	STONYFORD/0700	STONYFORD/1900
WTS1 PVT NORTHSTATE E-300500	09/29	SCOTT BICKERS	1	STONYFORD/0700	STONYFORD/1900
WTS1 PVT TACTICAL TENDERS E-300656	09/26	ERIN JONES	1	STONYFORD/0700	STONYFORD/1900
WTS2 PVT CUTTING EDGE E-300504	10/02	JUSTIN GARCIA	1	STONYFORD/0700	STONYFORD/1900
WTS2 PVT DVBE-SBE E-300658	10/01	JERROD PARRIOTT	1	STONYFORD/0700	STONYFORD/1900
DO22 PVT RIDGE LOGGING E-300672	09/30	DARRELL LANDINGHAM	1	STONYFORD/0700	STONYFORD/1900
DO22 PVT OILER E-300730	10/01	PAT OILER	2	STONYFORD/0700	STONYFORD/1900
DO22 PVT RAY CECIL E-300736	10/03	JUSTIN CECIL	1	STONYFORD/0700	STONYFORD/1900
DO22 PVT- CATTANEO E-300729	09/24	MIKE GOODEN	2	STONYFORD/0700	STONYFORD/1900
EXCA PVT- LET-ER-BUCK E-300594	10/02	MATT SWANK	2	STONYFORD/0700	STONYFORD/1900
EXCA PVT BEN'S E-300596	10/02	BILL BATES	2	STONYFORD/0700	STONYFORD/1900


8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 - MNF FIRE NET	171.5500N		164.5000N	1,2,4,6,7	A
TACTICAL	3 - NIFC T3	168.6000N		168.6000N		A
AIR TO GROUND	13 - R5 A/G 14	167.5000N		167.5000N		A
MEDICAL	15 - CALCORD	156.0750N		156.0750N	T6 - 156.7	A
AIR GUARD	16 - AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A

9. Prepared By (Resource Unit Leader)	Approved By (Planning Section Chief)	Date	Time
JENNIFER MARTIN	ALAN TAYLOR 	09/21/2018	1157

Division/Group Assignment List (ICS 204 WF)
Controlled Unclassified Information//Basic

1. Incident Name:			3.			
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2. Operational Period: 0700-1900					H	
Date/Time From: 09/22/2018 0700 SAT		Date/Time To: 09/22/2018 1900 SAT				
4. Operations Personnel						
OPERATIONS CHIEF		ALEC LANE		DIVISION/GROUP SUPERVISOR		KRIS SCHROEDER
DIVISION SUPERVISOR		DAN GUSE (T)				
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
EXCA PVT HERTZIG #2 E-300724		09/28	ARTIE TRESSLER	2	STONYFORD/0700	STONYFORD/1900
EXCA PVT HERTZIG #1 E-300723		10/04	JOHN WERTZIG	2	STONYFORD/0700	STONYFORD/1900
EXCA PVT GRAHAM E-300728		09/30	SKYLER EVANS	1	STONYFORD/0700	STONYFORD/1900
SKD2 PVT PACIFIC RIDGELINE E-300602		09/24	BRETT NOLAN	2	STONYFORD/0700	STONYFORD/1900
SKID W/ TRANSPORT BAMFORD 797 E-300796		10/02	TOSH WINCHESTER	1	STONYFORD/0700	STONYFORD/1900
TRAC PVT PROC H&M LOGGING E-300613		09/27	VAUGHN SCOTT	1	STONYFORD/0700	STONYFORD/1900
TRAC PVT H & M LOGGING E-300614		09/30	RICHARD POTTER	1	STONYFORD/0700	STONYFORD/1900
TRAC PVT SELF LOADER E-300615		09/30	JAMIE SLACK	1	STONYFORD/0700	STONYFORD/1900
LOG LOADER BAMFORD 800 E-300796		10/02	BO LUHEELIER	2	STONYFORD/0700	STONYFORD/1900
LOG LOADER W/ SKID BAMFORD 801 E-300796		10/03	MARK MCCLARREN	2	STONYFORD/0700	STONYFORD/1900
TRAC PVT SELF LOADER E-300616		09/27	BUCK NETTLES	1	STONYFORD/0700	STONYFORD/1900
GRD PVT TOM J. DAVIS LIVESTOCK E-300809		10/04	CODY DAVIS	2	STONYFORD/0700	STONYFORD/1900
CHIP PVT GREENOUS E-300604		09/28	NICK DROGOWSKE	2	STONYFORD/0700	STONYFORD/1900
CHIP PVT BELLA WILDFIRE E-300644		09/30	BRENT WALSH	2	STONYFORD/0700	STONYFORD/1900
CHIP PVT C & E EQUIP E-300611		09/28	ZESIGER ERIC	2	STONYFORD/0700	STONYFORD/1900
CHIP PVT TREE GUYS E-300419		09/27	JOEL ROSE	2	STONYFORD/0700	STONYFORD/1900
CHIP NORTH ZONE E-300807		10/02	DUANE STACHER	2	STONYFORD/0700	STONYFORD/1900
TFLD O-301201		09/29	BRIAN WOLVERT	1	STONYFORD/0700	STONYFORD/1900
TFLD O-301186		09/27	PATRICK CALLAHAN	1	STONYFORD/0700	STONYFORD/1900
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 - MNF FIRE NET	171.5500N		164.5000N	1,2,4,6,7	A
TACTICAL	3 - NIFC T3	168.6000N		168.6000N		A
AIR TO GROUND	13 - R5 A/G 14	167.5000N		167.5000N		A
MEDICAL	15 - CALCORD	156.0750N		156.0750N	T6 - 156.7	A
AIR GUARD	16 - AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
JENNIFER MARTIN			ALAN TAYLOR 		09/21/2018	1157


Division/Group Assignment List (ICS 204 WF)
Controlled Unclassified Information//Basic

1. Incident Name:			3.			
MENDOCINO COMPLEX			Branch:		Division/Group:	
2. Operational Period: 0700-1900					H	
Date/Time From: 09/22/2018 0700 SAT	Date/Time To: 09/22/2018 1900 SAT					
4. Operations Personnel						
OPERATIONS CHIEF		ALEC LANE		DIVISION/GROUP SUPERVISOR		KRIS SCHROEDER
DIVISION SUPERVISOR		DAN GUSE (T)				
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
HEQB O-301180	09/27	JAMES SMITH	1	STONYFORD/0700	STONYFORD/1900	
HEQB O-301164	09/22	KEVIN CRANDELL	1	STONYFORD/0700	STONYFORD/1900	
HEQB O-301165	09/22	ROBERT WOOD	1	STONYFORD/0700	STONYFORD/1900	
FMOD FMOD PVT MCKELLAR TREE O-301046	09/25	MARIO DENIZ	2	STONYFORD/0700	STONYFORD/1900	
SOFR O-301207	10/01	DAVID GLENN	1	STONYFORD/0700	STONYFORD/1900	
SOFR O-301151	09/22	PETER KORODINI (T)	1	STONYFORD/0700	STONYFORD/1900	
EMPF O-301217	10/04	JASON DOSH	1	STONYFORD/0700	STONYFORD/1900	
AMBU E-300284	09/30	AMBULANCE 3	2	STONYFORD/0700	STONYFORD/1900	
READ O-301013	09/28	RADOSLAW GLEBOCKI	1	STONYFORD/0700	STONYFORD/1900	
REAF O-301156	09/22	BRUCE CANN	1	STONYFORD/0700	STONYFORD/1900	
6. Control Operations/Work Assignments:						
Conduct suppression repair in accordance with the suppression repair plan. Backhaul equipment and trash. Mop up and monitor as needed.						
7. Special Instructions:						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 - MNF FIRE NET	171.5500N		164.5000N	1,2,4,6,7	A
TACTICAL	3 - NIFC T3	168.6000N		168.6000N		A
AIR TO GROUND	13 - R5 A/G 14	167.5000N		167.5000N		A
MEDICAL	15 - CALCORD	156.0750N		156.0750N	T6 - 156.7	A
AIR GUARD	16 - AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A
9. Prepared By (Resource Unit Leader)		Approved By (Planning Section Chief)		Date	Time	
JENNIFER MARTIN		ALAN TAYLOR 		09/21/2018	1157	


Division/Group Assignment List (ICS 204 WF)
Controlled Unclassified Information//Basic

1. Incident Name:			3.			
MENDOCINO COMPLEX			Branch:		Division/Group:	
2. Operational Period: 0700-1900						
Date/Time From: 09/22/2018 0700 SAT		Date/Time To: 09/22/2018 1900 SAT				
4. Operations Personnel						
OPERATIONS CHIEF ALEC LANE		DIVISION/GROUP SUPERVISOR BILLY COVERT				
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
6. Control Operations/Work Assignments:						
UNSTAFFED						
7. Special Instructions:						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 - MNF FIRE NET	171.5500N		164.5000N	1,2,4,6,7	A
TACTICAL	3 - NIFC T3	168.6000N		168.6000N		A
AIR TO GROUND	13 - R5 A/G 14	167.5000N		167.5000N		A
MEDICAL	15 - CALCORD	156.0750N		156.0750N	T6 - 156.7	A
AIR GUARD	16 - AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
JENNIFER MARTIN			ALAN TAYLOR <i>at</i>		09/21/2018	2200

Division/Group Assignment List (ICS 204 WF)
Controlled Unclassified Information//Basic

1. Incident Name:			3.			
MENDOCINO COMPLEX			Branch:		Division/Group:	
2. Operational Period: 0700-1900					J/K/L	
Date/Time From: 09/22/2018 0700 SAT		Date/Time To: 09/22/2018 1900 SAT				
4. Operations Personnel						
OPERATIONS CHIEF		ALEC LANE		DIVISION/GROUP SUPERVISOR		PETE ENGLISH
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
HC2 MARAUDERS C-300241		09/22	MIKE CHRISTIAN	20	STONYFORD/0700	STONYFORD/1900
HC2 OC 50 C-300243		10/03	FRED BURROWS	20	STONYFORD/0700	STONYFORD/1900
ENG7. PATROL 32 E-300787		09/23	MITCHELL MURPHY	2	STONYFORD/0700	STONYFORD/1900
WTT1 PVT HARDY E-300652		10/04	JOHN MARINO	1	STONYFORD/0700	STONYFORD/1900
WTT1 PVT EL DORADO E-300699		09/27	ERIK STARKS	1	STONYFORD/0700	STONYFORD/1900
WTS1 PVT WEINRICH E-300700		09/23	LUTZ FRED	1	STONYFORD/0700	STONYFORD/1900
WTT2 LPF WT- 3 E-300786		09/23	OWEN CLIFT	2	STONYFORD/0700	STONYFORD/1900
WTS2 PVT BUCK E-300029		09/28	BOB STUART	2	STONYFORD/0700	STONYFORD/1900
WTS2 PVT INGRAM E-300454		10/05	KEVIN MCGARR	1	STONYFORD/0700	STONYFORD/1900
WTS2 PVT WALBERG E-300499		09/28	WES DURANT	1	STONYFORD/0700	STONYFORD/1900
WTS2 PVT JEFF KURZ E-300653		10/04	JEFF KURZ	1	STONYFORD/0700	STONYFORD/1900
WTT2 PVT DOC'S WATER E-300696		09/23	MIKE CALLAHAN	1	STONYFORD/0700	STONYFORD/1900
WTS3 PVT-T AND S DVBE E-300502		10/02	SEAN MAGILL	1	STONYFORD/0700	STONYFORD/1900
WTS3 PVT CUTTING EDGE E-300455		09/30	DON KEYLON	1	STONYFORD/0700	STONYFORD/1900
DOZ2 PVT MORRISON E-300688		09/25	HILL CAMERON	1	STONYFORD/0700	STONYFORD/1900
EXCA PVT ANDREWS E-300727		10/01	ANDREWS DON	1	STONYFORD/0700	STONYFORD/1900
EXCA ROBISON E-300637		10/01	PHILLIPS SCOTT	1	STONYFORD/0700	STONYFORD/1900
SKID W/ TRANSPORT BAMFORD 796 E-300796		10/02	JEREMY APPELYARD	1	STONYFORD/0700	STONYFORD/1900
GRD PVT WYCOFF, E-300636		09/30	BILLY WYCOFF	1	STONYFORD/0700	STONYFORD/1900
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 - MNF FIRE NET	171.5500N		164.5000N	1,2,4,6,7	A
TACTICAL	3 - NIFC T3	168.6000N		168.6000N		A
AIR TO GROUND	13 - R5 A/G 14	167.5000N		167.5000N		A
MEDICAL	15 - CALCORD	156.0750N		156.0750N	T6 - 156.7	A
AIR GUARD	16 - AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
JENNIFER MARTIN			ALAN TAYLOR 		09/21/2018	2100

Division/Group Assignment List (ICS 204 WF)
Controlled Unclassified Information//Basic

1. Incident Name:			3.			
MENDOCINO COMPLEX			Branch:		Division/Group:	
2. Operational Period: 0700-1900					J/K/L	
Date/Time From: 09/22/2018 0700 SAT		Date/Time To: 09/22/2018 1900 SAT				
4. Operations Personnel						
OPERATIONS CHIEF		ALEC LANE		DIVISION/GROUP SUPERVISOR		PETE ENGLISH
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
6. Control Operations/Work Assignments:						
<p>Conduct Suppression repair in accordance with the Suppression repair plan. Backhaul equipment and trash. Mop up and monitor as needed.</p>						
7. Special Instructions:						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 - MNF FIRE NET	171.5500N		164.5000N	1,2,4,6,7	A
TACTICAL	3 - NIFC T3	168.6000N		168.6000N		A
AIR TO GROUND	13 - R5 A/G 14	167.5000N		167.5000N		A
MEDICAL	15 - CALCORD	156.0750N		156.0750N	T6 - 156.7	A
AIR GUARD	16 - AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
JENNIFER MARTIN			ALAN TAYLOR 		09/21/2018	2100

Prepared By: Kerry Koskela **kk** Prepared Date: 21 Sept, 2018 Prepared Time: 1930

AIR OPERATIONS SUMMARY

1. INCIDENT NAME: Mendocino Complex	2. OPS PERIOD DATE: 22 Sept, 2018	START TIME: 0700	END TIME: 2000	SUNRISE: 0701	SUNSET: 1910
3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): Helicopter module to remain ready for 10 minute response. High tension power lines in fire area, review hazard map for locations prior to flight. Watch for non-incident air traffic, without TFR there may be weekend recreation flyers looking at the burn area.		4. READY ALERT AIRCRAFT MEDEVAC - See Medical Plan			
		5. TFR #: No TFR over fire. Altitude: Radius: Center Point:			


6. PERSONNEL	NAME	PHONE #	7. FREQUENCIES	AM	FM	8. FIXED-WING- Type/ Make-Model/ N#/ Base
AOBD	Kerry Koskela	559-359-2122	Air to Air R/W & TFR			AIRTANKERS- TBA
ASGS			Air Tactics F/W			LEAD PLANES- TBA
ATGS			Air to Ground		167.5000 N	ATGS AIRCRAFT- TBA
HLCO/ATGS			Command See Communications Plan			
HEB1 Willits HB	Roger Caballero	909-815-0714	DECK		163.1000	
			CALCORD tone guarded both sides		156.0750 Tone 6 (156.7) Tx & Rx	Crash Rescue: Use 911 system
			Air Guard		168.6250 Tone 1 (110.9) Tx & Rx	

9. HELICOPTERS (Use Additional Sheets as Necessary)



Call Sign	TY	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	Call Sign	TY	MAKE/ MODEL	BASE	AVAIL	START	REMARKS
H-514	2	Bell 212	Willits	0700	0800	A-326							

10. MISSIONS

Back haul cabin wrapping to Stonyford.

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name MENDOCINO COMPLEX CA-MEU-008674		Date/Time Prepared 09/21/18 1800hrs	Operational Period Date/Time 9/22/18 0700 To 1900				
Only frequencies listed on this 205 are authorized for use on this incident.				Hand programmers accept all responsibility for the use of unauthorized frequencies.					
Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	MNF FIRE NET	MNF FIRE	COMMAND	171.5500 N		164.5000 N	TONES 1,2,4,6,7	A	WEST SIDE TONES 1,4,6,7 EAST SIDE TONES 1,2,6
2	NIFC TAC 1	NIFC T1	DIV A - G	168.0500 N		168.0500 N		A	
3	NIFC TAC 3	NIFC T3	DIV H - L	168.6000 N		168.6000 N		A	
4	MNF ADMIN	MNF ADMIN	INITIAL ATTACK	169.9750 N		169.1750 N	TONES 1,2,4,6,7	A	WEST SIDE TONES 1,4,6,7 EAST SIDE TONES 1,2,6
5	NIFC TAC 2	NIFC T2	INITIAL ATTACK	168.2000 N		168.2000 N		A	FOR INITIAL ATTACK ONLY
6	R5 TAC 4	R5 TAC 4	INITIAL ATTACK	166.5500 N		166.5500 N		A	FOR INITIAL ATTACK ONLY
7	R5 TAC 5	R5 TAC 5	INITIAL ATTACK	167.1125 N		167.1125 N		A	FOR INITIAL ATTACK ONLY
8	R5 TAC 6	R5 TAC 6	INITIAL ATTACK	168.2375 N		168.2375 N		A	FOR INITIAL ATTACK ONLY
9									
10									
11									
12									
13	AIR TO GROUND	R5 A/G 14	PRIMARY A/G	167.5000 N		167.5000 N		A	PRIMARY A/G
14	AIR TO GROUND	R5 A/G 59	SECONDARY A/G	169.1125 N		169.1125 N		A	SECONDARY A/G
15	CALCORD	CALCORD	ALL DIVISIONS	156.0750 N		156.0750 N	TONE 6	A	MEDI-VAC COORDINATION USE TONE 6
16	AIR GUARD	AIR GUARD	ALL DIVISIONS	168.6250 N		168.6250 N	TONE 1	A	EMERGENCY ONLY USE TONE 1
Prepared by 				Incident Location					
Rick Stone, COML				MENDOCINO COMPLEX ICP, MENDOCINO NATIONAL FOREST					

MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name				2. Operational Period				Day/Night							
MENDOCINO COMPLEX				Date/Time 9/22/18 0700 - 1900											
3. Ambulance Services															
Name		Location			Phone & EMS Frequency		Advanced Life Support (ALS)								
							Yes		No						
Mountain Ambulance 1		Div JKL- (ICP Night)			Contact on Command		X								
Mountain Ambulance 3		Div H (ICP Night)			Contact on Command		X								
Enloe Ambulance		Local EMS			911		X								
4. Air Ambulance Services															
Name		Phone			Type of Aircraft & Capability										
Reach 25 min eta		911			Air Ambulance – Willits, CA			Day/Night							
Enloe Flight Care 25 min eta		911			Air Ambulance- Chico, CA			Day/Night							
CHP 40 min eta		911			Hoist Rescue – Auburn, CA			Day only							
Calfire H-101, H-205 30 min eta		911			Hoist Rescue- Willits, CA & Vina, CA			Day only							
5. Hospitals															
Name & Level		GPS Datum – WGS 84 Degrees Decimal Minutes			Travel Time		Phone		Helipad		Address				
									Yes		No				
Colusa Regional Med. Cntr		Lat:	N39°12.353		15 min	50 min	530-619-0800		X	199 E. Webster Ave. Colusa, CA 95932					
		Long:	W121°59.987												
		VHF:													
Glenn Medical Center		Lat:	N39°31.359		15 min	45 min	530-934-1840 (ER)		X	1133 W. Sycamore, Willows, CA 95988					
		Long:	W122°12.471												
		VHF:													
Enloe Medical Center – Level II Trauma		Lat:	N39°44.517		25 min.	1.5 hrs	530-895-9107		X	1530 Esplanade, Chico, CA 95926					
		Long:	W121°51.018												
		VHF:													
UC Davis Level I Trauma/Burn Center		Lat:	N38°33.30		35 min.	2 hrs	916-734-3636 916-734-3790		X	2315 Stockton Blvd. Sacramento, CA					
		Long:	W121°27.33												
		VHF:													
6. Division / Crew Pre-plan. Update and discuss with assigned resources daily															
Crew EMTs & Equipment															
Fireline EMTs & Location Adv. Life Support?															
Air Hoist site:															
Lat: / Long:															
Helispot:															
Lat: / Long:															
Alternate no-fly plan:															
7. Remote Aid Stations															
Mendocino Medical Unit– ICP – Stonyford, CA N39°22.253 W122°32.284				Point of Contact:				MEDL – Josh Ramey (Cell: 530-277-1213)							
				EMS Responders & Capability:				Paramedic - Advanced Life Support							
				Equipment Available on Site:				Medical supplies							
				Ambulance ETA :				Air – 20 min. Ground – 45 min.							
8. Prepared By (Medical Unit Leader)															
9. Date/Time															
10. Reviewed By (Safety Officer)															
11. Date/Time															
Josh Ramey – MEDL 530-277-1213				9/21/18 1930				Jeff Barnhart – SOF2				9/21/18 1930			
															

MEDICAL PLAN (ICS 206 WF)

Medical Incident Report

1. CONTACT COMMUNICATIONS DECLARE: "MEDICAL EMERGENCY" OR "NON-EMERGENCY MEDICAL TRANSPORT"

Ex: "Communications, Div. Alpha. Stand-by for a medical emergency on Div. Alpha" (If life threatening request designated frequency be cleared for emergency traffic.)

2. INCIDENT STATUS:

Provide incident summary (including number of patients) and command structure. *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."*

SEVERITY	TRANSPORT PRIORITY
<input type="checkbox"/> URGENT-RED Life threatening injury or illness. <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2^o – 3^o burns more than 4 palm sizes, heat stroke, disoriented.</i>	Ambulance or MEDEVAC helicopter. Evacuation need is IMMEDIATE.
<input type="checkbox"/> PRIORITY-YELLOW Serious Injury or illness. <i>Ex: Significant trauma, not able to walk, 2^o – 3^o burns not more than 1-2 palm sizes.</i>	Ambulance or consider air transport if at remote location. Evacuation may be DELAYED.
<input type="checkbox"/> ROUTINE-GREEN Not a life threatening injury or illness. <i>Ex: Sprains, strains, minor heat-related illness.</i>	Non-Emergency. Evacuation considered Routine of Convenience.

Nature of Injury or Illness & Mechanism of Injury		Brief Summary of Injury or Illness (Ex: Unconscious, Struck by Falling Tree)
Transport Request		Air Ambulance / Short-Haul/Hoist/ Ground Ambulance / Other
Patient Location		Descriptive Location & Lat. / Long. (WGS84)
Incident Name		Geographic Name + "Medical" (Ex: Trout Meadow Medical)
On-Scene Incident Commander		Name of on-scene IC of Incident within an Incident (Ex: TFLD Jones)
Patient Care		Name of Care Provider (Ex: EMT Smith)

3. INITIAL PATIENT ASSESSMENT: Complete this section for each patient. Start with most severe.

Patient Assessment: (See IRPG page 106)	Treatment:
--	-------------------

4. TRANSPORT PLAN:

Evacuation Location (if different): (Descriptive Location (drop point, intersection, etc.) or Lat. / Long.)

Patient's ETA to Evacuation Location:

Helispot / Extraction Site Size and Hazards:

5. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:

- | | | | | |
|--|--|--------------------------------------|--|---------------------------------|
| <input type="checkbox"/> Paramedic/EMT(s) | <input type="checkbox"/> SKED/Backboard/C-Collar | <input type="checkbox"/> Crew(s) | <input type="checkbox"/> Burn Supplies | <input type="checkbox"/> Oxygen |
| <input type="checkbox"/> Trauma Bag | <input type="checkbox"/> Medication(s) | <input type="checkbox"/> IV/Fluid(s) | <input type="checkbox"/> Cardiac Monitor/AED | |
| <input type="checkbox"/> Other (i.e. splints, rope rescue, wheeled litter) | | | | |

6. COMMUNICATIONS:

- Run Medical Emergency on Command
- Coordinate with air ambulance on CALCORD tone 6

7. CONTINGENCY:

Considerations: If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead.

8. ADDITIONAL INFORMATION: Updates / Changes, etc.

REMEMBER: -Confirm ETA's of resources ordered -Act according to your level of training
 - If air or ground ambulance is DELAYED: Package and transport patient to rendezvous with incoming Ambulance.
 Re-route EMS helicopter to rendezvous point as appropriate.

INCIDENT SAFETY ANALYSIS 215A

Mendocino Complex/ CA-MEU-008674 - Day Shift, Saturday September 22nd, 2018		
Location	Hazard	Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc)
All Divisions	Driving & Traffic	<ul style="list-style-type: none"> ~ Practice "Defensive Driving" techniques traveling on all roads and city streets. ~ Use spotters & Honk horn to alert personnel when backing. ~ Follow Driving LCES (Lights, Chock blocks, Emergency brake, Seat belts). ~ Always use headlights. ~ Yield to pedestrians and bicycles. ~ Observe posted speed limits. ~ Use the 3 second rule for following distance when driving. ~ Avoid distractions (eating, cell phones, radio). ~ Ensure that windshields are kept clean of dust and bugs. ~ Refer to "Smoke and Transportation Safety" IRPG Pg 31 ~ Refer to "Roadside Response Safety" IRPG Pg 26
All Divisions	Hazard Trees	<ul style="list-style-type: none"> ~ Follow "Hazard Tree Safety" guidelines, IRPG page 22. ~ 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. ~ Remember that the hazard zone extends a minimum of 2 1/2 tree heights.
All Divisions	Chain Saw Operations	<ul style="list-style-type: none"> ~ Follow "Hazard Tree Safety" guidelines, IRPG Pg 22 ~ Follow "Procedural Felling Operations" IRPG Pg 85. ~ Look up, Look down, Look around for hazard tree indicators. ~ Only fell and buck trees within your expertise, and training. ~ Do not fall trees during high wind events. ~ Ensure proper use of all required PPE.
All Divisions	Heavy Equipment Operations	<ul style="list-style-type: none"> ~ Refer to "Working with Heavy Equipment" IRPG Pg 86 ~ Ensure communications are established with operators. ~ Use hand signals if other communications are unavailable. ~ Maintain a 50'-100' exclusion area around equipment and increase it to 1 1/2 times tree height when in timber. ~ Use a spotter when backing. ~ Avoid working below heavy equipment.
All Divisions	Injury & Medical Emergency	<ul style="list-style-type: none"> ~ Expect lengthy ground response/transport times. ~ Utilize air transport if warranted and possible. ~ Assist injured employee appropriate medical care. ~ Use EMT's on Division for initial care. ~ Follow "Emergency Medical Care" IRPG Pgs 105-118 ~ Follow procedures in Medical Plan, ICS 206 ~ Refer to "Planning for Medical Emergencies" IRPG Pg 2

INCIDENT SAFETY ANALYSIS 215A

All Divisions	Steep Terrain & Rolling Debris	<ul style="list-style-type: none"> ~ Maintain 8'-10' spacing when working & walking. ~ Don't work above any personnel. ~ Be on the lookout for rolling rocks, debris, or burning material. ~ Evaluate necessity to send personnel in areas with limited access. ~ Post lookouts IRPG Pg 7
All Divisions	Fatigue & Over Exertion	<ul style="list-style-type: none"> ~ Drink 1 quart of water each hour during and after work. ~ Rotate crews out of smoky areas. ~ Set a reasonable work pace and allow adequate rest breaks while on the project. ~ Stagger work crews start time to limit fatigue. ~ Use buddy system to monitor personnel of heat related and fatigue issues. ~ Follow work / rest guidelines.
All Divisions	Fireline Hazards	<ul style="list-style-type: none"> ~ Watch for falling and rolling debris on steep slopes. ~ Alert crew personnel of rolling debris by yelling to affected individuals. ~ Position debris that could roll vertically on slope. ~ Avoid stepping over debris that could roll by walking around object. ~ Use caution when working around stump holes/ash pits. ~ Avoid radiant heat by wearing appropriate PPE correctly. ~ Use correct tool for task assigned. ~ Flag and isolate all HAZMAT and alert all personnel working in Division.
All Divisions	Poisonous Plants	<ul style="list-style-type: none"> ~ Identify and Avoid hazard areas. ~ Launder clothing. ~ Shower frequently.
All Divisions	Unplanned Public Interaction	<ul style="list-style-type: none"> ~ Be alert to non-fire personnel in areas with suppression personnel. (HUNTERS) ~ All non-fire personnel will be escorted while on fireline. ~ Post lookouts to in areas with public to avoid conflicts with mission tasks. ~ Ensure sufficient security to restrict access to exclusion area.
All Divisions	Communications	<ul style="list-style-type: none"> ~ Maintain communication with aviation resources, and suppression organization. ~ Ensure all know frequency and protocol for contacting resources. ~ Utilize the ICS 205. ~ Utilize human repeaters when working in dead spots.

INCIDENT SAFETY ANALYSIS 215A

All Divisions	Heat Related Illness (HRI)& Dehydration	<p>~ Refer to Heat Related Illness information, IRPG Pg 109</p> <p>~ Drink Fluids throughout operational period (6-8 qts/shift).</p> <p>~ Maintain water/electrolyte ratio of 3 to 1.</p> <p>~ Maintain proper nutrition.</p> <p>~ Carry extra water on line and cache water at drop points.</p> <p>~ Take Frequent breaks, minimum of 10 minutes every hour.</p> <p>~ Allow out of area resources time to acclimatize before expecting peak performance.</p> <p>~ Recognize symptoms of HEAT RELATED ILLNESS which include.</p> <ul style="list-style-type: none"> o Lack of energy o Headaches, dizziness o Lack of rest o No hunger, poor eating habits o Hot skin, and lack of sweating
All Divisions	Wildlife & Livestock	<p>~ Watch out for wildlife & livestock inside fire area, CAMP, and along roadways.</p> <p style="padding-left: 20px;">- Bear - Elk - Deer - Rattlesnakes</p> <p>~ Clean up all debris and trash during each operational period.</p>
All Divisions	School Zone Safety	<p>~Avoid traveling through the school zone between 0800 and 0900 hrs if possible</p> <p>~Take extra precautions through the school zone in Stonyford (be extra cautious, drive slower than normal, etc.)</p>
All Divisions	ICP Sleeping Areas	<p>~Ensure that campsite locations are pre-identified and flagged</p> <p>~Use glow sticks to ensure that vehicles stay away from sleeping areas.</p>



Origin of the 10 and 18's - June 17

Summary:

The original 10, Standard Firefighting Orders were developed in 1957 by a task force commissioned by the USDA Forest Service Chief Richard E. McArdle. The task force reviewed the records of 16 tragedy fires that occurred from 1937 to 1956. The Standard Firefighting Orders were based in part on the successful "General Orders" used by the United States Armed Forces. The Standard Firefighting Orders are organized in a deliberate and sequential way to be implemented systematically and applied to all fire situations.

Shortly after the Standard Firefighting Orders were incorporated into firefighter training, the 18 Situations That Shout Watch Out were developed. These 18 situations are more specific and cautionary than the Standard Fire Orders and described situations that expand the 10 points of the Fire Orders with the intent that if firefighters follow the Standard Firefighting Orders and are alerted to the 18 Watch Out Situations, much of the risk of firefighting can be reduced. Below is the original recommendation and fire orders from the report.

Standard Firefighting Orders

1. FIRE WEATHER. Keep informed of fire weather conditions and predictions.
2. INSTRUCTIONS. Know exactly what my instructions are and follow them at all times.
3. RIGHT THINGS FIRST. Identify the key points of my assignment and take action in order of priority.
4. ESCAPE PLAN. Have an escape plan in mind and direct subordinates in event of a blow-up.
5. Scouting. Thoroughly scout the fire areas for which I am responsible.
6. Communication. Establish and maintain regular communication with adjoining forces, subordinates, and superior officers.
7. Alertness. Quickly recognize changed conditions and immediately revise plans to handle.
8. Lookout. Post a lookout for every possibly dangerous situation.
9. Discipline. Establish and maintain control of all men under my supervision and at all times know where they are and what they are doing.
10. Supervision. Be sure men I commit to any fire job have clear instructions and adequate overhead.

Discussion Points:

Though the Fire Orders are in the form of a list, they are **not** a checklist. The intended use of the Orders is not to check off 1 through 10 and be done with them, but to act as reminders of conditions that need to be continuously maintained and assessed.

- What is the connection between the Standard Fire Orders and situational awareness?

Originally there were 13 Watchout Situations [1] with the last 5 being added on in 1987.

- *If you could add one more Watch Out what would it be and why?*

The original recommendation in 1957 states that the Fire Orders “are to be committed to memory”.

- *What do you and your crew/unit do to help each other remember and understand the 10 & 18's?*

Have everyone at the briefing look at the IRPG [2] outside back cover. Compare the current and original list.

- *Is the same material covered?*
- *What are the biggest differences?*

