

*Collected Copy*

# **MAD RIVER**

# **COMPLEX**

CA-SRF-001433

P5J0JC (0510)



*SUNDAY AUGUST 2, 2015*

**DAY OPERATIONS**

0600-1800



# INCIDENT OBJECTIVES (ICS 202)

<b>1. Incident Name:</b> MAD RIVER COMPLEX	<b>2. Operational Period:</b>	Date From: 8/2/2015      Date To: 8/2/2015 Time From: 0600              Time To: 1800
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**3. Management Objective(s):**

1. PROVIDE FOR FIREFIGHTER SAFETY BY UTILIZING THE RISK MANAGEMENT PROCESS
2. MAINTAIN AND FOSTER RELATIONSHIPS WITH THE PUBLIC AND COOPERATORS
3. KEEP COSTS COMMENSURATE WITH THE VALUES AT RISK
4. MINIMIZE LOSS OR DAMAGE TO PRIMARY STRUCTURES NEAR THE COMMUNITY OF RUTH AND ON PRIVATE PROPERTY THROUGHOUT THE COMPLEX

**4. Operational Period Command Emphasis:**

MINIMIZE THREAT TO PRIVATE PROPERTY, RESIDENCES AND OTHER INFRASTRUCTURE.  
 KEEP THE FIRE SOUTH OF HIGHWAY 36  
 KEEP THE FIRE NORTH OF THE WEST FORK OF VAN DUSEN RIVER, HETTENSHAW PEAK, AND THE RUTH FIRE STATION  
 KEEP THE FIRE EAST OF STATE RESPONSIBILITY AREA  
 KEEP THE FIRE WEST OF RATTLESNAKE RIDGE TO CABLE CREEK

General Situational Awareness  
 SEE ATTACHED WEATHER FORECAST AND ATTACHED SAFETY MESSAGE

**5. Site Safety Plan Required?** Yes  No   
**Approved Site Safety Plan(s) Located at:** \_\_\_\_\_

**6. Incident Action Plan** (the items checked below are included in this Incident Action Plan):

<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 207	<u>Other Attachments:</u>
<input checked="" type="checkbox"/> ICS 204	<input type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> SAFETY MESSAGE
<input checked="" type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Map/Chart	<input type="checkbox"/> _____
<input type="checkbox"/> ICS 205A	<input checked="" type="checkbox"/> Weather Forecast/Tides/Currents	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> ICS 206		<input type="checkbox"/> _____

**7. Prepared by:** Name: J.FISHER      Position/Title: PSC2      Signature: *[Signature]*

**8. Approved by Incident Commander:** Name: \_\_\_\_\_      Signature: *[Signature]*

ICS 202      IAP Page      Date/Time: 8/1/2015 2200 *for Norm walker*

# ORGANIZATION ASSIGNMENT LIST (ICS 203)

<b>1. Incident Name:</b> MAD RIVER COMPLEX		<b>2. Operational Period:</b> Date From: 8/02/2015 Date To: 8/2/2015 DAY Time From: 0600 Time To: 1800	
<b>3. Incident Commander(s) and Command Staff:</b>		<b>7. Operations Section:</b>	
IC/UCs	NORM WALKER, CHRIS FOGLE (t)	Chief	MIKE NOBLES
		Planning Ops	CHRIS NORTON / JOSH BOEHM (t)
Deputy	DAVE KERR	Staging Area	
Safety Officer	TOM SHERMAN, TOM MARSHALL	<b>Branch I</b>	
Public Info. Officer	MATT CORELLI, GREG CLEVELAND	Branch Director	
Liaison Officer	KEVIN KLAR, MARK MILLS (t)	Division/Group	G L. PETERS
<b>4. Agency/Organization Representatives:</b>		Division/Group	A / D M. LAMONT / MUNCEY (t)
SRF – FIRE	MIKE MINTON	Division/Group	S S. FILLMORE
SRF – M.R. DISTRICT	DAN DILL	Division/Group	W J. KRALING
		Division/Group	BUCK M. BOSS
		Division/Group	LASSIC UNSTAFFED
		<b>Branch II</b>	
		Branch Director	
		Deputy	
<b>5. Planning Section:</b>		Division/Group	RUTH SPG TBD
Chief	JOHN FISHER	Division/Group	
Deputy		Division/Group	
Resources Unit	J. SHENNUM, T. GOMEZ, D. PARSONS (t)	Division/Group	
Situation Unit	P. CURRAN, A. MOONEY(t) C. BRENZEL	Division/Group	
Documentation Unit		<b>Branch</b>	
Demobilization Unit		Branch Director	
		Deputy	
FBAN	DREW SMITH	Division/Group	
GISS	TRACY TENNANT	Division/Group	
TNSP		Division/Group	
<b>6. Logistics Section:</b>		Division/Group	
Chief	JIM ROUGH	Division/Group	
Deputy	JACK VAN LEAR	<b>Air Operations Branch</b>	
<b>Support Branch</b>		Air Ops Branch Dir.	JOANN OVERACKER
Director		Air Support Grp. Supervisor	DANIEL DIAZ
Supply Unit	JORGE MARTINEZ		
Facilities Unit	KEVIN JOHNSON	<b>8. Finance/Administration Section:</b>	
Ground Support Unit	DAN SEAWRIGHT	Chief	KAREN BAUMAN
<b>Service Branch</b>		Deputy	
Director		Time Unit	MARVA HOTHAN
Communications Unit	MIKE TOWNS, BOB EVANS, MATT JECKELL	Procurement Unit	NANCY HAGLUND
Medical Unit	MCWALTERS, NELSON(t)	Comp/Claims Unit	EDWARD JIMENEZ
Food Unit	JOHN WOOD	Cost Unit	MARGIE DONALDSON
<b>9. Prepared by:</b> Name: T. GOMEZ / PARSONS (t) Position/Title: RESL		Signature:	
ICS 203	IAP Page	Date/Time: 8/1/2015 2100hrs	

DS

### Spot Forecast for Mad River Complex Fire

National Weather Service Eureka

1018 PM PDT Sat Aug 1 2015

IF CONDITIONS BECOME UNREPRESENTATIVE,  
CONTACT THE NATIONAL WEATHER SERVICE.

SPOT FORECAST FOR MAD RIVER COMPLEX...USFS  
NATIONAL WEATHER SERVICE EUREKA CA  
1018 PM PDT SAT AUG 1 2015

FORECAST IS BASED ON REQUEST TIME OF 2158 PDT ON AUGUST 01.  
IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER  
SERVICE.

...FIRE WEATHER WATCH IN EFFECT FROM SUNDAY AFTERNOON THROUGH  
SUNDAY EVENING...

.DISCUSSION...MONSOONAL MOISTURE STREAMING IN FROM THE SOUTH  
COMBINED WITH LOW PRESSURE DRIFTING IN FROM THE SW ARE PROVIDING  
THE NEEDED INGREDIENTS TO GENERATE ISOLATED TO SCATTERED  
THUNDERSTORMS ACROSS PORTIONS OF NORTHWEST CALIFORNIA THROUGH  
SUNDAY. LITTLE RAINFALL IS EXPECTED. WINDS ARE EXPECTED TO REMAIN  
LIGHT AND TERRAIN DRIVEN...BUT COULD BECOME GUSTY AND ERRATIC  
AROUND THUNDERSTORMS. RH VALUES WILL CONTINUE TO RISE THE NEXT  
FEW DAYS.


.SUNDAY...

SKY/WEATHER.....PARTLY CLOUDY THEN BECOMING MOSTLY CLOUDY.  
A CHANCE OF SHOWERS AND THUNDERSTORMS IN THE  
AFTERNOON.  
MAX TEMPERATURE.....78 TO 83 RIDGES...83 TO 88 VALLEYS.  
MIN HUMIDITY.....30 TO 35 PERCENT.  
EYE LEVEL WINDS.....UPSLOPE/UPVALLEY 3 MPH.  
SURROUNDING RIDGE...SOUTHEAST 5 MPH BECOMING WEST IN THE AFTERNOON.  
WIND (20 FT).....VARIABLE 3 TO 5 MPH. GUSTY AND ERRATIC WINDS  
NEAR THUNDERSTORMS IN THE AFTERNOON.  
LAL.....1...THEN 3 IN THE AFTERNOON.  
CWR.....15 PERCENT.

.SUNDAY NIGHT...

SKY/WEATHER.....MOSTLY CLOUDY THEN BECOMING PARTLY CLOUDY.  
A CHANCE OF SHOWERS AND THUNDERSTORMS IN THE  
EVENING.  
MIN TEMPERATURE.....55 TO 59.  
MAX HUMIDITY.....90 TO 95 PERCENT.  
EYE LEVEL WINDS.....WEST 3 MPH IN THE EVENING...BECOMING LIGHT  
DOWNSLOPE/DOWNVALLEY.  
SURROUNDING RIDGE...WEST 5 MPH...BECOMING SOUTHEAST 5 TO 10 MPH  
AFTER MIDNIGHT.  
WIND (20 FT).....WEST 5 MPH IN THE EVENING...BECOMING LIGHT  
DOWNSLOPE/DOWNVALLEY. GUSTY AND ERRATIC  
WINDS NEAR THUNDERSTORMS IN THE EVENING.  
LAL.....3...THEN 1 AFTER MIDNIGHT.  
CWR.....15 PERCENT.

## FIRE BEHAVIOR FORECAST

<b>FORECAST NUMBER:</b> 1	<b>TYPE OF FIRE:</b> Wildland Fire
<b>FIRE NAME:</b> Madd River Complex	<b>OPERATIONAL PERIOD:</b> Day
<b>DATE / TIME ISSUED:</b> 9/18/2014 2000	<b>DATE:</b> 8/2/2015 Sunday
<b>UNIT:</b> Six Rivers NF / Madd River	<b>SIGNED:</b> 
	<b>Drew Smith FBAN / So. Cal Team 1</b>

### INPUTS

**WEATHER SUMMARY:** *A fire weather watch is in effect for today!!*

*Daytime:* Cloudy... Temps: around 85°

RH: = around 30% Eye level Wind = Upslope Up valley 8mph. Ridgetop Winds = Southeast winds transitioning to the West early afternoon 5 mph... Anticipate gusty erratic winds with thunderstorm development in afternoon.

LAL: 1 the 3 in the Afternoon. CWR 15%

**ERC= 63 Today...Above average**

### GENERAL:

The fire is burning timber Fuels with some brush and grass intermix. Manzanita, Mixed Pine, Cedar and Douglas Fir are throughout. Live Fuel Moisture = Timber 150% ..... Shrubs 80%. There is mortality in the aerial fuels that will contribute to torching

The fire to date has been primarily topography driven. The predominant factor of fire spread has been consistently surface fire spread backing, flanking transitioning to head fire alignment. Torching and short duration crown fire runs may develop with slope and wind alignment.. Low dead fuel moisture contents are the driver behind continuous fuel consumption. Past significant runs were with slope and wind alignment from thunderstorm winds. Sustained crown fire runs were dependent upon the surface fire and instability.

Rates of spread: head fire = 3-8ch/hr with backing 1-3 ch/hr.

With strong winds ROS of 25-40 ch/hr with head fire with crown involvement.

Spotting ½ mile...PIG = 75%

DFM = 10 hr = 5% . . . 100hr and 1000hr = 10%

### SPECIFIC:

All Divisions:

The fires in the complex are in backing alignment...Understory surface fire spread with backing and flanking fire is within the threshold of control.

Tree torching will occur today heads up with this transition with increased shifty winds associated with thunderstorms. This will enable the fire to move rapidly thru the crown...

Look for the fire to transition to headfire alignment.....Remember the fire has a slow ros due to backing...Spotting from rollout can re align this fire to move rapidly with slope..

### AIR OPERATIONS

May be limited due to smoke. Thunderstorms and lightning will hinder aircraft use.

### SAFETY

Fire ...activity can increase today.....

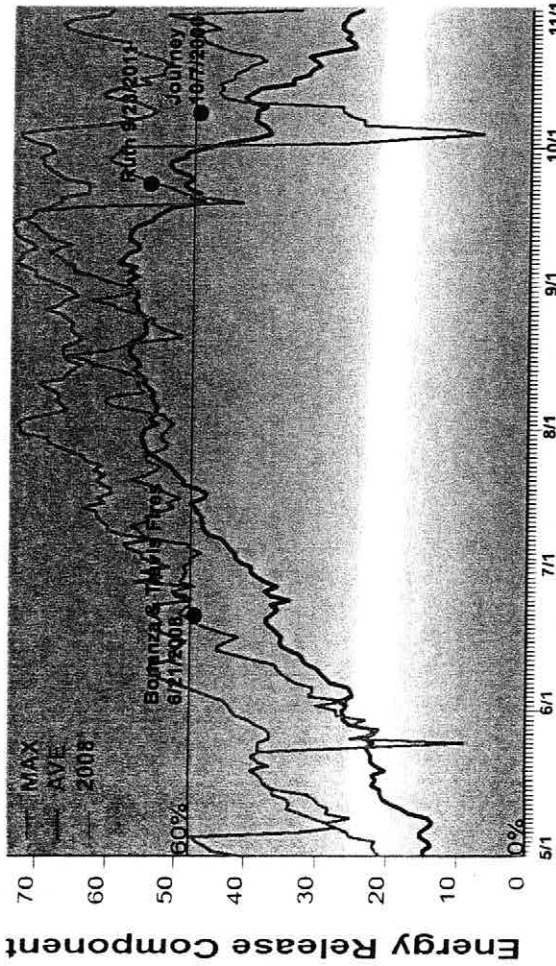
Validate your time to safety zones.... so know what you fire is doing at all times....

Identify when your fire has the ability re-position itself to run upslope with headfire.

Monitor fire activity when winds increase...fire has the ability to move down canyon today with spotting and rollout.

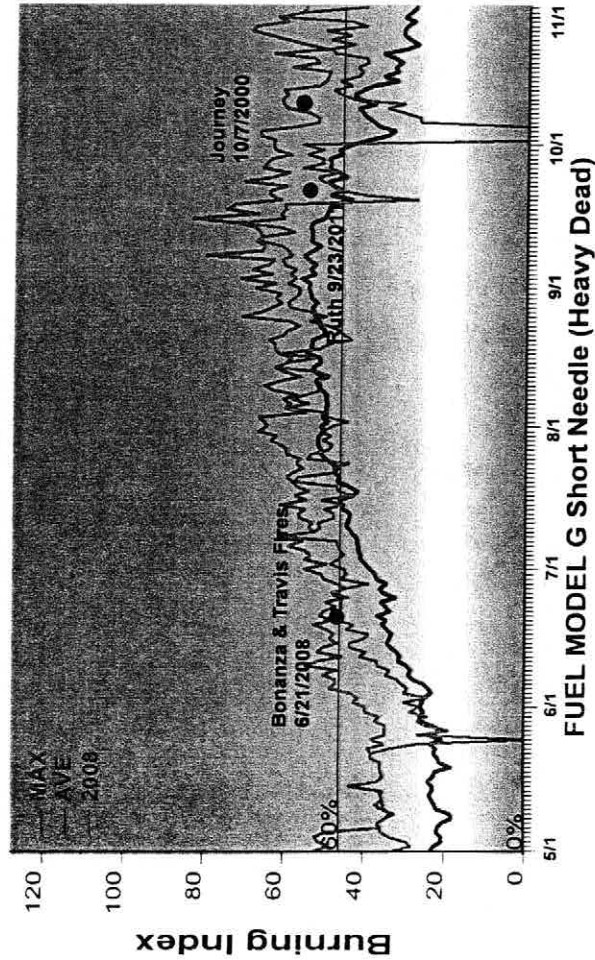
STOP.....Stop Think Observe and Predict...

## Fire Danger Rating Area 130 Energy Release Component



FUEL MODEL G Short Needle (Heavy Dead)

## Fire Danger Rating Area 130 Burning Index



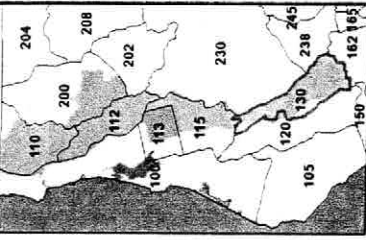
FUEL MODEL G Short Needle (Heavy Dead)

## Fire Danger Areas 130

- \* Mad River Ranger District
- \* Six Rivers National Forest
- \* NW CA - Region 5

## Weather Stations Used (NWCG Standards):

- \* 040507 Mad River
- \* 040508 Ruth



## Local Thresholds - WATCHOUT:

Combinations of any of these factors can greatly increase fire behavior: 20' Windspeed over 6 mph; RH less than 19%; Temperature over 90; 1000-hour Fuel Moisture less than 14. Large fires become more frequent when BI exceeds 46 and when ERC exceeds 48.

### Graph Interpretation, Energy Release Component:

Maximum = Highest ERC by day for 2003-2014

Average = Shows Peak Fire Season

60% = 60th Percentile means 40% of days studied had an ERC above 48.

### PAST EXPERIENCE | LOCAL KNOWLEDGE:

Wildfires become a problem @ 50 acres on the Six Rivers NF due to topography, fuels, and accessibility ("Large fires" = 50 acres). Large fires become more frequent when 1000 hour fuel moistures drop below 14, when BI exceeds 46, and when ERC exceeds 48 (large fires can and do occur at lower indices)

Afternoon winds W/NW along Ruth Lake Corridor greatly influence direction of fire spread in the area.

South Fork Mountain affects weather in the area: Funnel the wind and influences thunderstorm development and movement.

Other Watchouts not related to weather and indices; dangers associated with marijuana gardens and arson fires.

### Graph Interpretation, Burning Index:

Maximum = Highest BI by day for 2003-2014

Average = Shows Peak Fire Season

60% = 60th Percentile means 40% of all days studied had a BI above 46

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group A/D		
3. Incident Name MAD RIVER COMPLEX			4. Operational Period Date: 08/02/2015 Time: 0600-1800				
5. Operations Personnel							
Operations Chief		M. NOBLES		Division/Group Supervisor		M. LAMONT/MUNCEY (t)	
Branch Director				Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader		Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
Stanislaus IHC				21			
T2IA-CRW NORTH REFORESTATION (C-5)		J. RINCON		20			
T3-ENG S/T MDF				21			
T3-ENG S/T 5650C		E. CHAPMAN		21			
T3-ENG UTAH COUNTY		P. CARLSON/J. LANE (t)					
T3-ENG INYO 56				5			
T3-ENG F&W 82				5			
T3-ENG SARATOGA SPRINGS E-263 (E-5)		B. COOMBS/J. BECK (t)					
W/T SOUTHERN TRINITY		M. MANGIN					
W/T FS WT-3							
T2-DOZ (E-13)				2			
TFLD (O-25)		S. WHALEN		1			
TFLD (O-26)		G. ABBOTT		1			
7. Control Operations Construct direct line from A/D break to the A/G break.							
8. Special Instructions Hold and mop the 1S23 Road from Division D/A to the D/G break.							
9. Division/Group Communication Summary							
Function	Channel	System	Frequency	Function	Channel	System	Frequency
Command	FOREST	NIFC	RX 168.7250 TX 170.1250	Air Guard	GUARD		RX 168.6250 TX 168.6250
Tactical Div/Group	R5 PROJ	NIFC	RX 168.6625 TX 168.6625	Air to Ground	A/G		RX 167.6000 TX 167.6000
Prepared by (Resource Unit Ldr.) T. GOMEZ/J. SHENNUM D. PARSONS (t)		Approved by (Planning Sect. Ch.) J. FISHER			Date 08/01/2015		Time 2100



<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group G			
3. Incident Name MAD RIVER COMPLEX		4. Operational Period Date: 08/02/2015 Time: 0600-1800					
5. Operations Personnel							
Operations Chief	M.NOBLES	Division/Group Supervisor		PETERS			
Branch Director		Air Attack Supervisor No.					
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time		
DALTON IHC							
T2IA HART RIVER							
T2IA-MQ FRANCO (C-8)	J QUEVDO	20					
T3-ENG E-53							
7. Control Operations Construct direct handline from G/D break to G/A break.							
8. Special Instructions							
9. Division/Group Communication Summary							
Function	Channel	System	Frequency	Function	Channel	System	Frequency
Command	FOREST	NIFC	RX 168.7250 TX 170.1250	Air Guard	GUARD		RX 168.6250 TX 168.6250
Tactical Div/Group	R5 PROJ	NIFC	RX 168.6625 TX 168.6625	Air to Ground	A/G		RX 167.6000 TX 167.6000
Prepared by (Resource Unit Ldr.) T. GOMEZ/J. SHENUM D. PARSONS (t)		Approved by (Planning Sect. Ch.) J. FISHER		Date 08/02/2015		Time 2100	

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group S		
3. Incident Name MAD RIVER COMPLEX			4. Operational Period Date: 08/02/2015 Time: 0600-1800				
5. Operations Personnel							
Operations Chief		M. NOBLES		Division/Group Supervisor		S. FILLMORE	
Branch Director				Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader		Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
MAD RIVER IHC				21			
T2IA-CRW NORTH PACIFIC (C-2)		A. PEREZ		20			
T2IA-CRW NORTH PACIFIC (C-4)		S. PEREZ		20			
T1-ENG SOUTHERN TRINITY E-5112		T. FRAZIER					
T3-ENG E-13				5			
T3-ENG E-453				5			
T3-ENG TONTO E-28 (E-4)		A. ROSE					
T5-ENG SOUTHERN TRINITY E-5751		M. FRAZIER					
W/T FS WT-12				1			
W/T FS WT-21							
W/T WT-43		J. BRANHAM		1			
TFLD (O-23)		B. SULTEMEYER		1			
7. Control Operations Construct direct handline to S/W break.							
8. Special Instructions Scout for indirect possibilities where necessary to avoid riparian area.							
9. Division/Group Communication Summary							
Function	Channel	System	Frequency	Function	Channel	System	Frequency
Command	FOREST	NIFC	RX 168.7250 TX 170.1250	Air Guard	GUARD		RX 168.6250 TX 168.6250
Tactical Div/Group	NIFC T2	NIFC	RX 168.2000 TX 168.2000	Air to Ground	A/G		RX 167.6000 TX 167.6000
Prepared by (Resource Unit Ldr.) T. GOMEZ/J. SHENNUM D. PARSONS (t)			Approved by (Planning Sect. Ch.) J. FISHER			Date 08/01/2015	Time 2100

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group W			
3. Incident Name MAD RIVER COMPLEX		4. Operational Period Date: 08/02/2015				Time: 0600-1800	
5. Operations Personnel							
Operations Chief		M. NOBLES		Division/Group Supervisor		J. KRALING	
Branch Director				Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time		Pick Up PT./Time	
T2IA-CRW MQ FRANCO (C-9)	I. TORRES	20					
T2IA-CRW MQ FRANCO	A. CASTRO	20					
T3-ENG SO. TRINITY 5133							
T3-ENG E-67							
T4-ENG PATRICK ENVIRONMENTAL E-11	A. DRAKE						
W/T SO. TRINITY 5144							
T2-W/T (E-12)							
W/T BERRY TRUCKING 11	S. BERRY						
T2-DOZER S/T F.S.							
MOUNTED TRASH PUMP SO. TRINITY							
7. Control Operations Construct direct handline to S/W break.							
8. Special Instructions Scout for indirect possibilities where necessary to avoid riparian area.							
9. Division/Group Communication Summary							
Function	Channel	System	Frequency	Function	Channel	System	Frequency
Command	FOREST	NIFC	RX 168.7250 TX 170.1250	Air Guard	GUARD		RX 168.6250 TX 168.6250
Tactical Div/Group	NIFC T2	NIFC	RX 168.2000 TX 168.2000	Air to Ground	A/G		RX 167.6000 TX 167.6000
Prepared by (Resource Unit Ldr.) T. GOMEZ/J. SHENNUM D. PARSONS (t)		Approved by (Planning Sect. Ch.) J. FISHER			Date 08/01/2015		Time 2100

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group RUTH LAKE STRUCTURE PROTECTION GROUP			
3. Incident Name MAD RIVER COMPLEX			4. Operational Period Date: 08/02/2015 Time: 0600-1800					
5. Operations Personnel								
Operations Chief		M. NOBLES		Division/Group Supervisor		TBA		
Branch Director				Air Attack Supervisor No.				
6. Resources Assigned this Period								
Strike Team/Task Force/ Resource Designator		Leader		Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
T1-S/T XSM 2275A		CAMPAGNA		18				
T1-S/T XSM 2277A		FISHER		22				
T1-S/T 1280A								
T1-S/T 1075A								
T3-ENG E-5531		D. STEWART						
7. Control Operations Provide structure protection where necessary.								
8. Special Instructions Engage and extinguish fire wherever possible utilizing direct handline or hoselays.								
9. Division/Group Communication Summary								
Function	Channel	System	Frequency	Function	Channel	System	Frequency	
Command	FOREST	King NIFC	RX 168.7250 TX 170.1250	Air Guard	GUARD		RX 168.6250 TX 168.6250	
Tactical Div/Group	R5 T4	King NIFC	RX 166.5500 TX 166.5500	Air to Ground	A/G		RX 167.6000 TX 167.6000	
Prepared by (Resource Unit Ldr.) T. GOMEZ/J. SHENNUM D. PARSONS (t)			Approved by (Planning Sect. Ch.) J. FISHER			Date 08/01/2015		Time 2100



<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group BUCK			
3. Incident Name MAD RIVER COMPLEX			4. Operational Period Date: 08/02/2015 Time: 0600-1800					
5. Operations Personnel								
Operations Chief		M. NOBLES		Division/Group Supervisor		M. BOSS		
Branch Director				Air Attack Supervisor No.				
6. Resources Assigned this Period								
Strike Team/Task Force/ Resource Designator	Leader		Number Persons	Trans. Needed	Drop Off PT./Time		Pick Up PT./Time	
ARROWHEAD IHC								
T2IA-CRW FORT APACHE								
T2IA-CRW NORTH PACIFIC (C-6)	J. MONTANO		20					
T2IA-CRW NORTH PACIFIC (C-3)	T.J. HIENER		20					
T6-ENG E-91	S. ROBERTSON							
W/T 5543	D. SOUCY							
7. Control Operations Construct direct fireline where possible. Provide protection for structures.								
8. Special Instructions								
9. Division/Group Communication Summary								
Function	Channel	System	Frequency	Function	Channel	System	Frequency	
Command	FOREST	NIFC	RX 168.7250 TX 170.1250	Air Guard	GUARD		RX 168.6250 TX 168.6250	
Tactical Div/Group	R5 T4	NIFC	RX 166.5500 TX 166.5500	Air to Ground	A/G		RX 167.6000 TX 167.6000	
Prepared by (Resource Unit Ldr.) T. GOMEZ/J. SHENNUM D. PARSONS (t)			Approved by (Planning Sect. Ch.) J. FISHER			Date 08/01/2015		Time 2100



## HEALTH AND SAFETY MESSAGE

**SAFETY** starts with **YOU**

We are **ALL** accountable for **SAFE** behaviors

INCIDENT: Mad River Complex

DATE: August 2, 2015

TIME: Day

### **Major Hazards and Risks:**

**Fire Behavior-** Disengage early; know your escape routes and safety zones.

**Dehydration-** Continue to drink the fluids, 1 quart per hour minimum. Supplement with Gatorade.

**Air Operations-** Visibility, multiple aircraft, retardant drops, and communications.

**Hazard Trees-** Snags as well as Green trees in a burned area can be suspect, check roots and for signs of rot.

**Coyote Tactics-** Keep your camping area clean of food. Do not leave food or trash on the fireline. Make noise.

**Thunderstorms/Lightning-** Pay attention to approaching storms. Follow safety guidelines in IRPG

**Transportation-** Watch your footing on steep slopes and rough ground. Drive defensively with lights on.

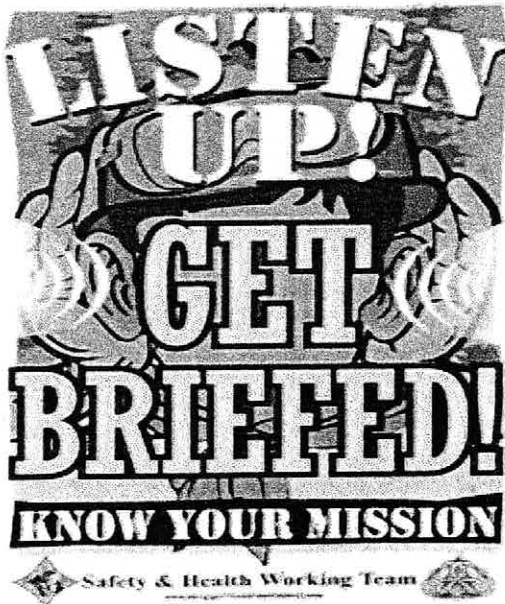
**Environmental-** Snakes, Bears, Mountain Lion, Bees Steer clear of all of them.

**Marijuana Cultivation-** When you see it reverses direction and avoid area. Notify DIVS and others working in the area.

Fire Order of the Day – *Fight fire Safely and aggressively*

**Narrative:** Because of these changes and many people working in unfamiliar divisions it is a good time to get acquainted with leadership, the hazards, and terrain in your divisions. Work cautiously and identify all hazards before employing crews.

**Keep up the good work and continue with the excellent safety record,**



### **Mitigate or Change Tactics When Faced With**

- ⇒ Indirect Fireline
- ⇒ Lack of Anchor Points
- ⇒ Frontal Assault
- ⇒ High or Extreme Wind Conditions
- ⇒ Reburn Potential
- ⇒ Presence of Hazardous Materials
- ⇒ Lack of Communications With All Forces
- ⇒ Structural Protection
- ⇒ Spotting Becomes Common
- ⇒ Downhill Line Construction
- ⇒ Underslung Line
- ⇒ Fatigued Crews
- ⇒ Re-ignition Becoming Common

Incident Safety Officer: Tom Sherman, Tom Marshall,



# INCIDENT SAFETY ANALYSIS 215a

MAD RIVER - Sunday, August 2, 2015 Day

8. Location	9. Hazard	6. Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc)
All	Air Operations	<ul style="list-style-type: none"> <li>~Follow "Aviation Watch-Out Situations" in IRPG.</li> <li>~Don't plan on air resources for medical transport or resupply. Visibility may be impaired. Have a back up plan.</li> <li>~Refer to IRPG for directing bucket drops.</li> <li>~Ensure positive communication with all air resources.</li> <li>~Keep personnel out of drop zones.</li> <li>~Use clear concise statements when directing aircraft. Use clock directions from pilots perspective.</li> </ul>
All	Hazard trees	<ul style="list-style-type: none"> <li>~ Follow "Hazard Tree Safety" guidelines, IRPG page 80</li> <li>~ Post lookouts, or use a spotter in mop-up areas with personnel</li> <li>~ Don't park vehicles or take breaks in high concentrations of hazard trees</li> <li>~ Establish trigger points for disengagement during high wind events</li> <li>~ Post road guards when appropriate</li> </ul>
All	Extreme Fire Behavior	<ul style="list-style-type: none"> <li>~Share weather observations with all personnel assigned to division</li> <li>~ Establish "Trigger Points" to withdraw</li> <li>~ Use "Risk Management" process prior to engaging in suppression actions, refer to page 1, IRPG</li> <li>~Review "Severe fire behavior potential" (IRPG 68)</li> <li>~Maintain adequate escape routes and safety zones and continue to re-evaluate throughout the shift</li> <li>~Maintain situational awareness</li> </ul>
All	Fatigue & Overexertion	<ul style="list-style-type: none"> <li>~ Drink 1 quart of water each hour during and after work</li> <li>~ Rotate crews out of smoky areas</li> <li>~ Set a reasonable work pace and allow adequate rest breaks while on the project</li> <li>~ Stagger work crews start time to limit fatigue</li> <li>~ Use buddy system to monitor personnel of heat related and fatigue issues</li> <li>~ Follow work / rest guidelines</li> </ul>
All	Heavy Equipment Operations	<ul style="list-style-type: none"> <li>~ Ensure communications are established with operators</li> <li>~ Use hand signals if other communications are unavailable</li> <li>~ Maintain a 50'-100' exclusion area around equipment</li> <li>~ Use a spotter when backing</li> </ul>
All	Night Operations	<ul style="list-style-type: none"> <li>~ Maitain high visibility in work area and wear vest while in roadway.</li> <li>~ Use glow sticks to mark hazards.</li> <li>~ Ensure personnel have a personal light (headlamp)</li> <li>~ Watch for signs of fatigue</li> <li>~ Take breaks away from areas of known hazard</li> </ul>
All	Heat Related Illness (HRI)& Dehydration	<ul style="list-style-type: none"> <li>~Drink Fluids throughout operational period</li> <li>~Carry extra watert on line and cache water at drop points</li> <li>~Take Frequent breaks, minimum of 10 minutes every hour</li> <li>~Recognize symptoms of HEAT RELATED ILLNESS which include                             <ul style="list-style-type: none"> <li>o Lack of energy</li> <li>o Headaches, dizziness</li> <li>o Lack of rest</li> <li>o No hunger, poor eating habits</li> <li>o Hot skin, and lack of sweating</li> </ul> </li> </ul>
All	Communications	<ul style="list-style-type: none"> <li>~ Maintain communication with aviation resources, and suppression organization.</li> <li>~ Ensure all know frequency and protocol for contacting resources</li> <li>~ Utilize the ICS 205</li> </ul>
All	Firing Operations & Devices	<ul style="list-style-type: none"> <li>~ Only personnel trained in the use of each device will be authorized to use firing equipment.</li> <li>~ Ensure all personnel are aware of firing operation that may affect them.</li> <li>~ Wear appropriate PPE.</li> <li>~ Ensure aerial ground ignition plans have been adequetly developed and personnel are briefed.</li> </ul>
All	Environmental Hazards	<ul style="list-style-type: none"> <li>~ Be alert for snakes, watch footing and handplacementaround rocks</li> <li>~ Check yourself for ticks, watchfor bees and other insects that bite</li> <li>~ Be alert for bears, cougars, and other wildlife</li> <li>~ Poisonous plants - identify plants and avoid; Change and wash clothing and shower frequently</li> </ul>
All	Steep Terrain & Rolling Debris	<ul style="list-style-type: none"> <li>~ Maintain 8'-10' spacing when working &amp; walking</li> <li>~ Don't work above any personnel</li> <li>~ Evaluate necessity to send personnel in areas with limited access</li> </ul>
All	Marijuana Cultivation	<p>Avoidance is thebest policy. If you see cultivation sites reverse direction and notify DIVS and othr=ers in the area.</p>

<b>MEDICAL PLAN</b> <b>ICS 206</b>	1. INCIDENT NAME <b>MAD RIVER COMPLEX</b>	2. DATE PREPARED AUGUST 1ST, 2015	3. TIME PREPARED 1901HRS	4. OPERATIONAL PERIOD <b>AUGUST 2<sup>ND</sup> 2015</b> <b>0600-1800</b>
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### 5. INCIDENT MEDICAL AID STATIONS

MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
MAD RIVER MEDICAL UNIT	MAD RIVER HOTSHOT CAMP	X	
SOUTHERN TRINITY HEALTH SERVICES	153-A VAN DUZEN RD, BRIDGEVILLE	X	

### 6. TRANSPORTATION

#### A. AIR AMBULANCES

NAME	LOCATION	PHONE	PARAMEDICS	
			YES	NO
CHP H13 OR H16 (HOIST)	REDDING	FICC 707-726-1266	X	
REACH	REDDING	FICC 707-726-1266	X	
PHI AIR MEDICAL	REDDING	FICC 707-726-1266	X	

#### B. GROUND AMBULANCES & REM TEAMS

NAME	LOCATION	PARAMEDICS	
		YES	NO
SOUTHERN AREA TRINITY RESCUE	MAD RIVER AND RUTH	X	
CITY AMBULANCE	FORTUNA AND GARBerville		X

### 7. HOSPITALS

NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CTR	
		AIR	GRND		YES	NO	YES	NO
ST JOSEPH HOSPITAL	2700 DOLBEER EUREKA N 40 47.02 X W 124 23.67	20 MIN	70 MIN	707-445-8121	X			X
SHASTA REGIONAL MED CNTR	110 BUTTE REDDING N 40 35.18 X W 122 23.13	45 MIN	2 HRS	530-244-5400	X			X
MERCY MED CNTR LEVEL II TRAUMA	2175 ROSALINE AVE REDDING N 40 34.29 X W 122 23.67	50 MIN	2 HRS	530-225-6000	X			X
UC DAVIS MED CNTR LEVEL I TRAUMA / BURN CNTR	2315 STOCKTON BLVD SAC N 38 33.17 X W 121 27.05	90 MIN	5 HRS	916-734-3636	X		X	

### 8. MEDICAL EMERGENCY PROCEDURES

#### LINE MEDICAL EMERGENCY:

Crew Supervisor to contact Division Supervisor/Operations with patient complaint, condition and location.

Division Supervisor/Operations contacts Fortuna Interagency Communications Center (FICC):

- Division Supervisor or \*POC to use "SoCal Team 1 Radio Report" on next page
- Division Supervisor or \*POC will run medical emergency on command channel
- FICC contacts Medical Unit Leader on Command channel or (760) 473-7378
- Medical Unit Leader will:
  1. Ensure FICC dispatches appropriate ground/air transport resources
  2. Notify receiving hospital of injury status
  3. Develop primary and contingency transport plan
  4. Notify Safety, Logistics, and Operations
  5. Contact FICC for notification of emergency (if not already contacted)

#### CAMP MEDICAL EMERGENCY:

Contact FICC with patient complaint/condition and location, via command channel

- Medical Unit contacts:
  - Safety
  - Logistics
  - Operations
- Medical Unit Leader will:
  1. Contact FICC to dispatch ground/air transport resources
  2. Notify receiving hospital of injury status
  3. Develop primary and contingency transport plan

\*POC (Point of Contact)

<b>ICS 206</b>	9. PREPARED BY: (Medical Unit Leader) Kevin McWalters, MEDL / Erik Nelson, MEDL(t) 760-473-7378	10. REVIEWED BY: (Safety Officer) SOF2 <i>Tom Sherman</i>
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# SoCal Team 1 Medical Radio Report

-----Initial Radio Report-----

Your Identifier & Division \_\_\_\_\_

DECLARE: Medical Emergency (Clear Frequency) or Non-emergency Medical transport

Age \_\_\_\_\_ Sex \_\_\_\_\_ Status: Mild / Moderate / Acute Type: Medical / Trauma

------(Break)-----

Location \_\_\_\_\_

Situation / Mechanism \_\_\_\_\_

Any special equipment required \_\_\_\_\_

Number of injured \_\_\_\_\_ Type of injuries \_\_\_\_\_

Best transport method:            Ground Ambulance            Helicopter            Vehicle

Closest pick up point (DP, Helispot, GPS) \_\_\_\_\_

Loss of Con: Y / N Resp. \_\_\_\_\_ Pulse \_\_\_\_\_ BP \_\_\_\_\_ Weight \_\_\_\_\_

Injury \_\_\_\_\_ Agency (No Names) \_\_\_\_\_

Medical History/Allergies \_\_\_\_\_

## Air Transportation Triage

	Ground or Air Ambulance to Hosp.	Transport to Med Unit
<b>Mechanism</b>	Hit by a falling tree or large branch Fall of 10' or more Insect bite with shortness of breath Signs of heat stroke (hot, dry, disoriented) Burn Injury greater than 1% body area	Minor dehydration Cut or laceration with bleeding controlled Minor bites and Stings Minor burns
<b>Area Injured</b>	Significant Blunt or Penetrating Trauma to Head, Neck, Chest, Abdomen or pelvis Any Arm or Leg fracture above the Joint	Minor blunt trauma Minor penetrating trauma Extremity sprains and strains Simple fracture below elbow or knee
<b>Symptoms</b>	Disoriented Chest Pain or Shortness of Breath Weak or absent radial pulse Pale, cold and sweating	Alert and oriented No shortness of breath Good pulses

### If air or ground ambulance is DELAYED:

Transport patient to rendezvous with Ambulance. Re-route EMS helicopter to rendezvous point as appropriate.

### If Declaring an "Incident within the Incident"

The closest DIVS or designee respond to manage the incident and will be the POC. They are responsible for giving an accurate size up, ensuring scene safety, setting priorities and initiating an appropriate response. The closest Safety Officer and Line EMS will respond to the scene to assist the Branch Director or DIVS. Secure site and begin initial investigation when situation is stabilized.

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name			Date/Time Prepared			Operational Period Date/Time		
COMMUNICATIONS PLAN		Mad River Complex SRF-001433			8/1/2015			8/2/15, 0600-1800		
Ziv / Ch	Channel Name/Trunked Talkgroup	Function	Assignment	RX Freq	RX Tone/NAC	TX Freq	TX Tone/NAC	Mode A, D, M	Remarks	
1	Forest	Command	All Divisions	168.7250	0.0	170.1250	0.0	A	Tone 6, 8, and 14	
2	NIFC T2	Tactical	Gobler Fire, Div S, W	168.2000	0.0	168.2000	0.0	A		
3	R5 Proj	Tactical	Pickett Fire, Div G, A/D	168.6625	0.0	168.6625	0.0	A		
4	R5 T4	Tactical	Buck Fire, Structure Group	166.5500	0.0	166.5500	0.0	A		
5	A/G	Air to Ground	All Divisions	167.6000	0.0	167.6000	0.0	A		
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16	GUARD	Emergency only	All Divisions	168.6250	0.0	168.6250	110.9	A	AIR GUARD - emerg. use only - Tone 1	
17										
18										
19										
20	GUARD	Emergency only	All Divisions	168.6250	0.0	168.6250	110.9	A	AIR GUARD - emerg. use only - Tone 1	

Prepared By (Communications Unit Leader)

**Bob Evans COML (t), 925-240-3595**

*Bob Evans COML*

Latitude, Longitude

Incident Location

County

Deviation is assumed to be narrow band unless otherwise noted in the remarks. Mode refers to either "A" (analog), "D" (digital) or "M" (mixed mode). 1/14/14 v.5

