

Ruth Incident
Incident Action Plan
September 28th, 2011 0700 - 2000



- **Be aware of the increase in public traffic in the fire area.**
- **Be aware of hazard trees and snags.**
- **Don't let your operations fall into the "routine" category. Maintain situational awareness in all activities.**
- **PPE – Have it and use it!**


CA - SRF – 001848
P5GG2W (0510)
Six Rivers National Forest
Northern California Team 1

Ruth Incident
Incident Action Plan
September 28th, 2011 0700 - 2000



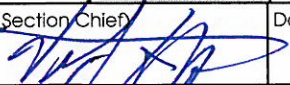
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- **Be aware of hazard trees and snags.**
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- **PPE – Have it and use it!**

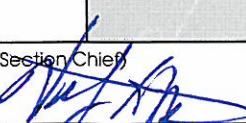
CA - SRF – 001848
P5GG2W (0510)
Six Rivers National Forest
Northern California Team 1

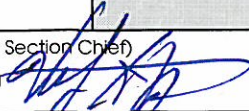
INCIDENT OBJECTIVES		1. Incident Name		2. Date Prepared		3. Time Prepared	
ICS 202		Ruth Incident		09/27/2011		1800	
4. Operational Period							
09/28/11 Day Shift 0700 – 2000							
5. General Control Objectives for the Incident (include alternatives)							
<ol style="list-style-type: none"> 1. Provide for firefighter and public safety through application of the risk management process. 2. Protect private property and infrastructure. Secure structures within the fire's perimeter and mitigate hazards (fire weakened trees). 3. Contain all slopovers and spots east of the South Fork Mountain Road. Hold fire within established perimeter on Divisions A, B and Z. 4. Protect sensitive habitat and species and known archeological sites. 							
6. Weather Forecast for Period							
See attached spot weather forecast							
7. General Safety Message							
8. Attachments							
x	Organization List-ICS 203	x	Air Ops Plan ICS-220	x	Fire Weather Forecast		
x	Division Assignment List-ICS 204	x	Incident Map	x	Fire Behavior Forecast		
x	Communications Plan-ICS 205		Traffic Plan		Unit Log ICS-214		
x	Medical Plan-ICS 206	x	Safety Message	x	Rehab Standards		
9. Prepared by				10. Approved by (Incident Commander)			
Dave Sinclear				Paul Whitcome 			

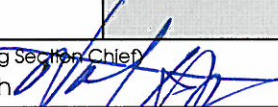
ORGANIZATION ASSIGNMENT LIST	
1. Incident Name Ruth Incident	
2. Date September 27, 2011	3. Time 1700
4. Operational Period September 28, 2011 0700 - 2000	
Position	Name
5. Incident Commander and Staff	
Incident Commander	Paul Whitcome
Deputy	Mike Minton
Safety Officer	Jeff Barnhart / Michele Tanzi / Jim Mackensen / Mike Frederick (T)
Information Officer	Yvonne Jones / Phyllis Swanson
Liaison Officer	Kent Swartzlander
6. Agency Representative	
Agency Admin	Tom Hudson
Resource Advisor	Dan Dill
Cal Fire Rep	Fred Flores
Trinity County	Bruce Haney, Sheriff
Trinity County	Wendy Otto, Board of Supervisors
Shasta-Trinity NF Rep	Larry Hayes
7. Planning Section	
Chief	Valery Lambeth
Deputy	Dave Sinclear
Resources Unit	Lou Ann Charbonnier
Situation Unit	Chris Wikeen / Walter Herzog (T)
Documentation Unit	Kandee Kirkman
Demobilization Unit	Gary Deboi
Technical Specialists	
Human Resources	
Training	Dominic Panno
CTSP	George Steel
GIS	Kyle Felker / Matt Dickinson / Scott Powell
FBAN	John Wood (T)
IMET	Jeff Tonkin
8. Logistics Section	
Chief	Paul Montgomery
Deputy	Mike Jellison
Supply Unit / Ordering	Chris Richins/Ron Pierce
Facilities Unit	Jeff Huhtala / Frank DelCarlo
Ground Support Unit	Harry Zabel / Ken Kumpe (T)
Communications Unit	Rick Cartoscelli / Phil Shafer
Medical Unit	Josh Ramey/Matt Brown (T)
Receiving & Distribution	Fred Johnson
Security Unit	Sandra Inman
Food Unit	Jay Westlake

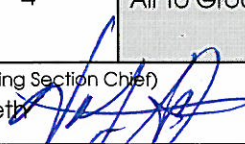
9. Operations Section	
Operations Day Repair	Alec Lane / Aaron Schuh (T) Robin Wills
Planning OPS	Bob Patton / Curtis Coots (T)
a. Branch 1 - Division/Groups	
Branch Director	
DAY	9/28
Division/Group A	Mark Vardanega / Jesse Knox (T)
Division/Group B	Dustin Mueller / Rob Brown (T)
Division/Group M	Chris Stevens / Tim Memmer (T)
Division/Group Z	Paul Johnson / John Martinez (T)
Division/Group	
Structure Group	
b. Branch 2 - Division/Groups	
Branch Director	
NIGHT	9/27- 9/28
Division/Group A	Engine AZ-KNF 732
Division/Group B	Unstaffed
Division/Group M	Unstaffed
Division/Group Z	Unstaffed
Division/Group	
Division/Group	
c. Branch III - Division/Groups	
Branch Director	
Deputy	
Division/Group	
Division/Group	
Division/Group	
Division/Group	
d. Air Operations Branch	
Air Operations Branch Director	
Air Attack Supervisor	Dan White
Air Support Supervisor	Steve Beall
Helicopter Coordinator	
Air Tanker Coordinator	
10. Finance Section	
Chief	Jo Ann Hereford
Chief Mentee	Rachel Corkill
Time Unit	
Procurement Unit	
Compensation/Claims Unit	Debbie McIntosh
Cost Unit	Rachel Corkill (T)
Prepared by (Resource Unit Leader) L. Charbonnier	

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group A			
3. Incident Name Ruth Incident			4. Operational Period Date: 09/28/11 Time: Day Shift 0700 - 2000					
5. Operations Personnel								
Operations Chief		Alec Lane/Robin Willis Aaron Schuh (T)		Division/Group Supervisor		Mark Vardanega/Jesse Knox (T)		
Planning Ops		Bob Patton / Curtis Coots (T)		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 #4 Type 2IA	Tad Hair		20	N	Per DIVS		Per DIVS	
SRF Engine 41	Zac Freiwald		5	N	Per DIVS		Per DIVS	
BLM Engine 3233	Leif Larson		5	N	Per DIVS		Per DIVS	
SHF Engine 12	Andy Thorne		5	N	Per DIVS		Per DIVS	
Patrol 43	Gary Lawhead		1	N	Per DIVS		Per DIVS	
STEN (T)	Jaimie Willburn		1	N	Per DIVS		Per DIVS	
SRF Dozer 4	Jaylin Dillon		1	N	Per DIVS		Per DIVS	
WT T2 Kiser (E-11)	Tim Kiser		1	N	Per DIVS		Per DIVS	
7. Control Operations - Patrol structures in Division A and Z . Mop-up and fall fire weakened trees within 300' of division perimeters and structures. - Remove public safety hazards.								
Special Instructions:								
Function	Frequency RX	Frequency TX	Channel	Function	Frequency RX	Frequency TX	Channel	
Command NIFC C-2	168.1000 N	168.1000 N	1	Command NIFC C-2 RPT	168.1000 N	170.4500 N	2 Tone 2 123.0	
Tactical Div/Group	167.1125 N	167.1125 N	4	Air to Ground	168.5750 N	168.5750 N	12	
Prepared by (Resource Unit Leader) L. Charbonnier			Approved by (Planning Section Chief) Valery Lambeth 			Date 09/27/11		Time 2000

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group B		
3. Incident Name Ruth Incident			4. Operational Period Date: 09/28/11 Time: Day Shift 0700 - 2000				
5. Operations Personnel							
Operations Chief		Alec Lane/Robin Wills Aaron Schuh (T)		Division/Group Supervisor		Dustin Mueller / Rob Brown (T)	
Planning Ops		Bob Patton / Curtis Coots (T)		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
Eagle Lake Type 21A	Joe Milligan		19	N	Per DIVS		Per DIVS
Elk Mountain IHC	Donovan Lee		19	N	Per DIVS		Per DIVS
PNF Engine 23	Clayton Beck		5	N	Per DIVS		Per DIVS
PNF Engine 30	Michael Wells		5	N	Per DIVS		Per DIVS
PNF Engine 35	Jared Hawe		5	N	Per DIVS		Per DIVS
MNF Engine 352	William Emery		5	N	Per DIVS		Per DIVS
WT Ken's T2 (E-10)	Bill Hatkission		1	N	Per DIVS		Per DIVS
STEN	Frank Pingiczer		1	N	Per DIVS		Per DIVS
SOFR	Greg Powell		1	N	Per DIVS		Per DIVS
FELB	Mike Smith/T. Maxwell (T)		1	N	Per DIVS		Per DIVS
Falling Team (E-61)	Chad Heaton/Dave Albee		2	N	Per DIVS		Per DIVS
FALC (E-62)	Todd Heaton		1	N	Per DIVS		Per DIVS
Paramedic	Bill Grizzell		1	N	Per DIVS		Per DIVS
EMT-B	Nathan Menth		1	N	Per DIVS		Per DIVS
7. Control Operations							
<ul style="list-style-type: none"> - Hold and secure line. - Mop-up 150' in and fall fire weakened trees within 300' of the line. 							
Special Instructions:							
- Backhaul blivets and garbage.							
Function	Frequency RX	Frequency TX	Channel	Function	Frequency RX	Frequency TX	Channel
Command NIFC C-2	168.1000 N	168.1000 N	1	Command NIFC C-2 RPT	168.1000 N	170.4500 N	2 Tone 2 123.0
Tactical Div/Group	166.7250 N	166.7250 N	6	Air to Ground	168.5750 N	168.5750 N	12
Prepared by (Resource Unit Leader) L. Charbonnier		Approved by (Planning Section Chief) Valery Lambeth 			Date 09/27/11		Time 2000

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group M		
3. Incident Name Ruth Incident			4. Operational Period Date: 09/28/11 Time: Day Shift 0700 - 2000				
5. Operations Personnel							
Operations Chief		Alec Lane/Robin Wills Aaron Schuh (T)		Division/Group Supervisor		Chris Stevens / Tim Memmer (T)	
Planning Ops		Bob Patton / Curtis Coots (T)		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
Diamond Mountain IHC	Dan Varney		20	N	Per DIVS		Per DIVS
Smith River IHC	Glenn Tingley		20	N	Per DIVS		Per DIVS
Klamath IHC	Johnny Clem		20	N	Per DIVS		Per DIVS
Beckwourth T2 IA	Luis Gomez		20	N	Per DIVS		Per DIVS
SHF Engine 22	Bob Toney		5	N	Per DIVS		Per DIVS
SRF Engine 43	Dan Lampley		5	N	Per DIVS		Per DIVS
TNF Engine 72	Beth Melville		5	N	Per DIVS		Per DIVS
SRF Engine 33	Fred Burger		5	N	Per DIVS		Per DIVS
Ken's WT T2 (E-9)	Samantha Smith		1	N	Per DIVS		Per DIVS
WT 5143 T2 (E-68)	Steve Line		1	N	Per DIVS		Per DIVS
SOF2	Steve Femmel		1	N	Per DIVS		Per DIVS
Paramedic	Brett Sanchez		1	N	Per DIVS		Per DIVS
EMT - B	Mike Bakke		1	N	Per DIVS		Per DIVS
Fly Crew 502	Tyler Detrick		8	N	Per DIVS		Per DIVS
7. Control Operations - Hold and secure line. - Mop-up all spots 100%. - Mop-up 150' in and fall fire weakened trees within 300' of the line.							
Special Instructions: - Backhaul all gear from Fly Crew 502 spot at 1100. - GPS all spots and flag line back to the 23 Road.							
Function	Frequency RX	Frequency TX	Channel	Function	Frequency RX	Frequency TX	Channel
Command Direct	168.1000 N	168.1000 N	1	Command Repeat	168.1000 N	170.4500 N	2 Tone 2 123.0
Tactical Div/Group	166.5500 N	166.5500 N	5	Air to Ground	168.5750	168.5750	12
Prepared by (Resource Unit Leader) L. Charbonnier		Approved by (Planning Section Chief) Valery Lambeth 		Date 09/27/11		Time 2000	

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group Z		
3. Incident Name Ruth Incident			4. Operational Period Date: 09/27/11 Time: Day Shift 0700 - 2000				
5. Operations Personnel							
Operations Chief		Alec Lane Aaron Schuh (T)		Division/Group Supervisor		Paul Johnson / John Martinez (T)	
Planning Ops		Bob Patton / Curtis Coots (T)		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		
Happy Camp 2 T2 IA	Damon McCarthy	20	N	Per DIVS	Per DIVS		
Salyer T2 IA	Josh Eichamer	14	N	Per DIVS	Per DIVS		
GFP 15A T2 (C-24)	Brian Beck	20	N	Per DIVS	Per DIVS		
GFP 15B T2 (C-23)	Chris New	20	N	Per DIVS	Per DIVS		
Firestorm 6	Tom Wesley	20	N	Per DIVS	Per DIVS		
S/T 3600C	Chris Schroeder/H. Stoner(T)	27	N	Per DIVS	Per DIVS		
SRF WT 35	Kirby Bennett	1	N	Per DIVS	Per DIVS		
TFLD	Shannon Prather/N.Fowler (T)	2	N	Per DIVS	Per DIVS		
STLC	Rex Thompson	1	N	Per DIVS	Per DIVS		
FELB	Jeff Ayers	1	N	Per DIVS	Per DIVS		
Falling Team (E-60)	Mike & Boone Fraizer	2	N	Per DIVS	Per DIVS		
Paramedic	DJ Cline	1	N	Per DIVS	Per DIVS		
EMT-B	James Arevalo	1	N	Per DIVS	Per DIVS		
SOF2	Ken Margiott	1	N	Per DIVS	Per DIVS		
7. Control Operations - Hold and improve line. - Mop-up 150' in and fall fire weakened trees within 300' of the line							
Special Instructions: - Backhaul blivets, refill and return to line.							
Function	Frequency RX	Frequency TX	Channel	Function	Frequency RX	Frequency TX	Channel
Command Direct	168.1000 N	168.1000 N	1	Command Repeat	168.1000 N	170.4500 N	2 Tone 2 123.0
Tactical Div/Group	168.0500 N	168.0500 N	3	Air to Ground	168.5750	168.5750	12
Prepared by (Resource Unit Leader) L. Charbonnier		Approved by (Planning Section Chief) Valery Lambeth 		Date 09/26/11		Time 2000	

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group A/B Repair			
3. Incident Name Ruth Incident			4. Operational Period Date: 09/28/11 Time: Day Shift 0700 - 2000					
5. Operations Personnel								
Operations Chief		Robin Wills - Repair Alec Lane/Aaron Schuh (T)		Division/Group Supervisor		Mark Vardanega/Jesse Knox (T)		
Planning Ops		Bob Patton / Curtis Coots (T)		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	
Fortuna 22 T2	Wayne Escobar		20	N	Per DIVS		Per DIVS	
SHF Engine 41	Zac Freiwald		5	N	Per DIVS		Per DIVS	
WT SRF 15	Al Goughnour		1	N	Per DIVS		Per DIVS	
Mad River Chipper	TBA			N	Per DIVS		Per DIVS	
Dillon Const. Grader (E-88)	TBA		1	N	Per DIVS		Per DIVS	
SJH Timber Excavator T2 (E-86)	TBA		1	N	Per DIVS		Per DIVS	
7. Control Operations								
Special Instructions: - Rehab dozer lines around structures. - Chipper work along 47 & 48 Road. - Remove public safety hazards.								
Function	Frequency RX	Frequency TX	Channel	Function	Frequency RX	Frequency TX	Channel	
Command NIFC C-2	168.1000 N	168.1000 N	1	Command NIFC C-2 RPT	168.1000 N	170.4500 N	2 Tone 2 123.0	
Tactical Div/Group	167.1125 N	167.1125 N	4	Air to Ground	168.5750 N	168.5750 N	12	
Prepared by (Resource Unit Leader) L. Charbonnier			Approved by (Planning Section Chief) Valery Lambeth 			Date 09/27/11		Time 2000



Ruth Incident Weather Forecast



FORECAST NO: 3 D
 PREDICTION FOR: Wednesday Day Shift
 SHIFT DATE: Sep 28th, 2011
 FORECAST ISSUED: 1800 Sep 27th, 2011

NAME OF FIRE: Ruth Fire
 UNIT: SRF Mad River RD
 Incident Meteorologist: Jeff Tonkin

WEATHER DISCUSSION:

A ridge of high pressure will maintain warm and dry conditions through Thursday. Weak offshore flow is expected during the night and morning hours tonight and early Thursday mainly along Southfork Ridge and accompanying upper slopes. Next best chance of rain will occur on Tuesday...60%...with as much as a half of an inch or greater of widespread rain across central and Norcal.

WEATHER FORECAST TODAY (WEDNESDAY DAY SHIFT):

WEATHER: Sunny.

MAX TEMPERATURES: Mad River Drainage: 86 – 92 Southfork Ridge: 72 to 77
 MIN HUMIDITY: Mad River Drainage: 15 – 20% Southfork Ridge 22 – 28%.

WINDS (EYE LEVEL):

RIDGETOP - East and Northeast 3 to 6 mph...gusts to 10 mph until 0900 PDT...then northwest 4 to 7 mph...gusts to 12 mph after 1400 PDT.

VALLEY - Light and variable until 1100 PDT...Then Southwest or upslope 3 to 5 mph in the afternoon...gusts 6 to 9 mph.

STABILITY / INVERSION: Stable. Morning valley inversion near 3500 ft until 1100 PDT.

WEATHER FORECAST WEDNESDAY NIGHT:

WEATHER: Clear.

MIN TEMPERATURES: 45-50.

MAX HUMIDITY: 70-80%.

WINDS (EYE LEVEL):

RIDGETOP - East or Northeast 1 to 2 mph.

VALLEY - Northeast or Downslope 1 to 3 mph.

OUTLOOK FOR THURSDAY: Sunny and breezy. Max Temps: 82 to 86. Min RH: 18-22% Wind: Southwest 6 to 10 mph...gusts to 15 mph after 1400 PDT.

EXTENDED FORECAST FOR FRIDAY THROUGH SUNDAY: Partly Cloudy...30% chance of showers Sunday. Slightly cooler with slightly higher rh values.

<u>Observations from Yesterday (Tuesday)</u>			
	<u>Max T</u>	<u>Min RH</u>	<u>Wind Dir.</u>
Ruth RAWS (2700 ft) :	86	22%	SW 3-6 mph / none

FIRE BEHAVIOR FORECAST

FORECAST NUMBER:	TYPE OF FIRE: Wildland Fire
FIRE NAME: Ruth	OPERATIONAL PERIOD: 9/28/11 0700 - 1900
DATE ISSUED: 9/27/11	TIME ISSUED: 1730
UNIT: Six Rivers N.F.	SIGNED: <i>[Signature]</i>
	Typed/printed: John Wood EBAN(t)

INPUTS

WEATHER SUMMARY: See attached fire wx forecast.

OUTPUTS

FIRE BEHAVIOR

GENERAL:

Indicators continue to point to a return to seasonal norms and this trend is reflected in the ERC, which was 46 yesterday and the BI which was 52. The day the fire started the BI was 53.

Fire behavior will still be reasonably low with slow rates of spread near 2 ch/hr and low flame lengths around 1.5 feet in the fir stands in pockets of unburned fuel. Fire behavior in the grass will be more active, exhibiting higher rates of spread, following this drying trend. I would expect new starts in the grass with slopes of 20-30 percent, to burn with rates of spread near 8 ch/hr and flame lengths approaching 2 feet. In the flats fire behavior will be modified by about a third at 4-5 ch/hr and flame lengths near 1.5 feet.

SPECIFIC:

Div. A- This Division will likely reach active burning conditions ahead of the rest of the fire. Modeled fire behavior highlights the potential that if a new start were to happen it could challenge a ground based response.

Div B and Z- Fire behavior potential on these two divisions will be increasing with the warming and drying predicted in the forecast. Adding to that potential will be the forecast NW winds aligned with the drainage and affecting Division Z with adverse winds blowing across the line. The infrared detection flight identified many heat sources close to the lines on these Divisions.

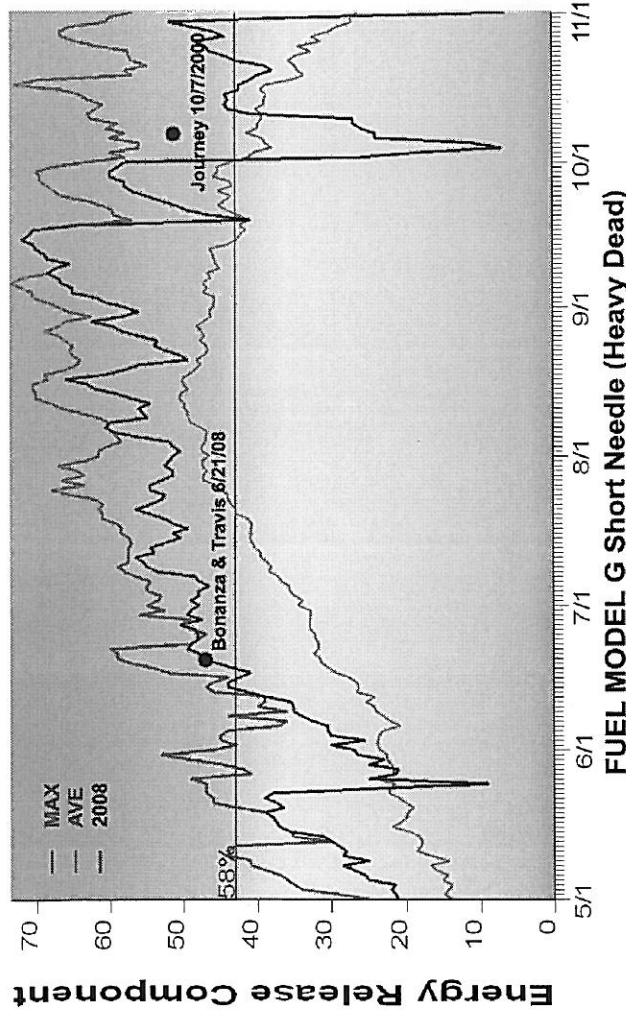
Div M- The aspect, North of the 23 road, will continue to influence the slower reaction of fuels to the warming and drying trend. Any undetected spot fires should be visible. Fire behavior will be low though the shift.

AIR OPERATIONS: N/A

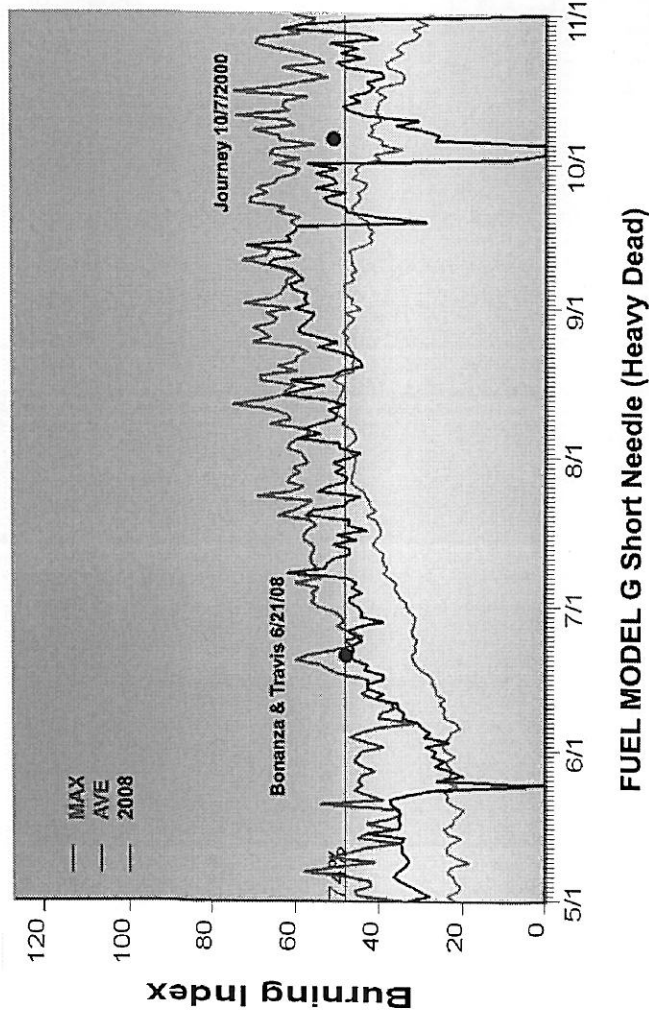
SAFETY

Containment lines are in, weather has been favorable to support suppression and fire behavior has been low. Conditions are prime for complacency. Think about the five principles of high reliability organizing. **1)** Have a preoccupation with failure, think about what could go wrong. **2)** Be reluctant to simplify interpretations, don't accept situations at face value. **3)** Have sensitivity to operations, anticipate next steps. **4)** Show a commitment to resilience, choose the difficult right over the easy wrong **5)** Defer to experience, listen to experienced firefighters.

Fire Danger Rating Area 130 Energy Release Component



Fire Danger Rating 130 Burning Index



Fire Danger Area 130:

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

Weather Stations Used:

- * 040507 Mad River (NFDRS)
- * 040508 Ruth (NFDRS)

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 48 and when ERC exceeds 43.

Graph Interpretation, Energy Release Component:

Maximum = Highest ERC by day for 1979-2009
Average = Shows Peak Fire Season
58% = 58th Percentile means 58% of all days observed had an ERC below 43.

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.
Large fires become more frequent when BI exceeds 48.
Large fire become more frequent when ERC exceeds 43.
(large fires can and do occur at lower indices)

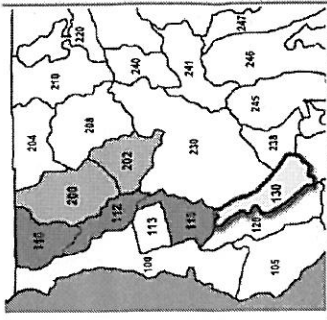
Afternoon winds W/NW along Ruth Lake Corridor greatly influence direction of fire spread in the area.

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 1979-2009
Average = Shows Peak Fire Season
74% = 74th Percentile means 74% of all days observed had a BI below 48.



INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name RUTH INCIDENT CA-SRF-001848		Date/Time Prepared 9/27/2011 2100	Operational Period Date/Time Day Shift 9/28/11, 0700-2000
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Only frequencies listed on this 205 are authorized for use on this incident.

Ch #	Function	Channel Name	Assignment	RX Freq N/W*	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	COMMAND	NIFC C-2	ALL DIVISIONS	168.1000 N		168.1000 N		A	Car to car direct
2	COMMAND	NIFC C-2 RPT	ALL DIVISIONS	168.1000 N		170.4500 N	123.0	A	MUST USE Tone 2 (123.0)
3	TACTICAL	NIFC TAC-1	DIVISION Z	168.0500 N		168.0500 N		A	
4	TACTICAL	USFS R5 TAC-5	DIVISION A A/B REPAIR	167.1125 N		167.1125 N		A	
5	TACTICAL	USFS R5 TAC-4	DIVISION M	166.5500 N		166.5500 N		A	
6	TACTICAL	NIFC TAC-5	DIVISION B	166.7250 N		166.7250 N		A	
7	COMMAND	NIFC C-9 RPT	AS NEEDED	170.0125 N		165.2500 N	100.0	A	MUST USE TONE 9 (100.0)
8	TACTICAL	NIFC TAC-3	STRUCTURE GROUP	168.6000 N		168.6000 N			
9	IA DISPATCH	SRF DIRECT	ALT COMMAND if C-2 FAILS	168.7250 N		168.7250 N		A	FORTUNA
10	IA DISPATCH	SRF REPEAT	ALT COMMAND if C-2 FAILS	168.7250 N		170.1250 N	156.7	A	Use Tone 6 (156.7)
11	TACTICAL	NIFC TAC-2	FS IA TACTICAL	168.2000 N		168.2000 N		A	
12	A/G TACTICAL	AIR TO GROUND	ALL DIVISIONS	168.5750 N		168.5750 N		A	
13	MEDI-VAC	CALCORD	ALL DIVISION	156.0750 W		156.0750 W		A	
14	EMERGENCY	AIR GUARD	ALL DIVISIONS	168.6250 N		168.6250 N	110.9	A	TONE 1 USED FOR EMERGENCY OR INITIAL CONTACT WITH AIRCRAFT
15									
16	EMERGENCY	AIR GUARD	ALL DIVISIONS	168.6250 N		168.6250 N	110.9	A	TONE 1 USED FOR EMERGENCY OR INITIAL CONTACT WITH AIRCRAFT

MEDICAL PLAN	1. Incident Name	2. Date Prepared	3. Time Prepared	4. Operational Period					
	Ruth Fire	09/27/11	1800	09/28/11 0700-2000					
5. Incident Medical Aid Station									
Medical Aid Stations		Location			Paramedics				
Medical Unit - Frontline Ph:530-258-9155		Ruth ICP - N 40°12.29 / W 123°17.78			Yes	No			
					X				
6. Transportation									
AIR Ambulance Services									
Name		Address		Phone		Paramedics			
						Yes	No		
REACH *NVG		3775 Flight Ave. Redding, CA. 96003		911/ 800-338-4045		RN			
Mercy Air (PHI) *NVG		1524 East St. Redding, CA 96001		911/ 800-597-9571		RN			
CHP hoist with 165' line		Benton Airfield, Redding, CA		911 / 530-242-3210		X			
Kneeland 102 – Short haul		Kneeland, CA		911/ 707-726-1266			X		
H506 – Designated Medivac		Ruth helibase (530-605-7336)		Ruth Communications			X		
Ground Ambulance Services									
Name		Location			Paramedics				
					Yes	No			
STAR 304 (Incident Amb.)		Ruth ICP (cell: 707-599-2228)			X				
STAR 305 Ambulance		Mad River, CA			X				
Fortuna Ambulance		Fortuna, CA			X				
Trinity County Ambulance		Hayfork, CA			X				
7. Hospitals									
Name		Address		Travel Time		Helipad		Burn Center	
				Air	Ground	Yes	No	Yes	No
Southern Trinity Clinic		153 A Van Duzen Rd., Mad River, CA		n/a	45 min.		X		X
Redwood Memorial		3300 Renner Dr., Fortuna, CA		30 min.	2 hrs.		X		X
Mad River Comm. Hospital		3800 Janes Rd. Arcata, CA. 95521 N 40° 53.45 / W 124° 05.25		30 min.	3 hrs.	X			X
St. Joseph Hospital		2700 Dolbeer St. Eureka, CA. N 40° 47.0 / W 124° 08.08		30 min.	2.5 hrs.	X			X
Mercy Medical Level 2 Trauma		2175 Rosaline Ave, Redding N 40° 34.29 / W 122° 23.67		40 Min.	3.5 hrs.	X			X
UC Davis Level I Trauma/Burn Cntr.		2315 Stockton Blvd. Sacramento N38 33.17 / W 121 27.21		1.5 hrs.	5.5 hrs.	X		X	
8. Medical Emergency Procedures									
<input type="checkbox"/> Contact Ruth communications and declare a medical emergency on Command, advising your location and situation <input type="checkbox"/> The closest Division Supervisor will respond to the location to take control and direct necessary actions <input type="checkbox"/> The closest Safety Officer and EMTs will respond to the location to assist with patient care <input type="checkbox"/> Use the attached Injury/Incident Communications Worksheet to coordinate appropriate care and transportation <input type="checkbox"/> Secure the scene area and identify witnesses for later investigation – Keep a log									
Prepared by (Medical Unit Leader)					10. Reviewed by (Safety Officer)				
Matt Brown MEDL (T) Cell: 530-277-1213					Jeff Barnhart SOF2				

Injury or Incident Communications Protocol

Location _____

Situation _____

Any special equipment required _____

Number of injured _____ Type of injuries _____

Immediate transport required: Yes No Best method: Ambulance Helicopter Vehicle

Closest pick up point (DP, Helispot) _____

LOC _____ Resp. _____ Pulse _____ BP _____ Weight _____

Injury _____

Medical History/Allergies _____

Air Transportation Triage Contact EMS Helicopters on CALCORD freq.

	Air Ambulance	Transport to Med Unit
Mechanism	Struck by tree Fall of 10' or more Snake bite with pain and swelling 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
Area Injured	Significant Blunt or Penetrating Trauma to Head, Neck, Chest, Abdomen or pelvis Any Arm or Leg fracture	Minor blunt trauma Minor penetrating trauma Extremity sprains and strains
Symptoms	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

Medivac Sites

Ruth ICP - N 40° 12.29 / W 123° 17.78

Horse Medivac Site- N 40° 16. 415 / W 123° 16. 656 (East of Div. M)

Div. B Sling/Medivac Site- N 40° 15. 971 / W 123° 18. 183 (Type 3 only)

If air or ground ambulance is DELAYED:

Package and transport patient to rendezvous with Incident Ambulance. Re-route EMS helicopter to rendezvous point as appropriate.

If Declaring an "Incident within the Incident"

The closest DIVS will respond to manage the incident. 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.

Ruth Incident Risk Analysis (215a)

Div.	LCES Analysis of Tactical Applications (Hazardous Actions or Conditions)	LCES Mitigations/Warnings/Remedies
All	Communications	Use human repeaters when necessary. Inform Communications Unit of "dead zones".
All	Helicopter Drops	Communicate with Pilot <ul style="list-style-type: none"> • A clear understanding of the target Situation Awareness <ul style="list-style-type: none"> • Hazard trees in drop zone? • Ground crews clear? See I.R.P.G page 61
All	Illegal Plantations	Be aware of illicit growing operations. If you find one, vacate the area and notify DIVS of the location. Do not attempt to pass through or skirt the plantation.
All	Snag and Hazard Trees	Review page 20 of the IRPG. Only proceed into areas that have had hazards mitigated.
All	Narrow, Dusty Roads	Keep speeds slow, headlights on, and don't tailgate. Allow dust to settle for better visibility Be aware that sunrise and sunset hours can reduce visibility.
All	Escape Routes to Safety Zones	Identify trigger points with your crew and DIVS. Make them known.
All	Undetected Spot Fires and downhill line construction	Heads up for "sleeper" spot fires. Review page 8 of the IRPG before attempting downhill line construction.
All	Difficult terrain and conditions for providing for emergency medical needs.	Review the Medical Plan and Injury or Incident Communication Protocol in the IAP before the need arises. Identify heli-spot/emergency landing zones with Lat & Longs.
A	Increased Public Vehicle Traffic	Be aware of the increase in public traffic with the lifting of the evacuation order in DIV A.
All	Vehicle Placement on Narrow Roads	Make sure that your vehicle is out of the way when parked and working the fires edge so the ingress and egress of other vehicles is not affected.
All	Poison Oak	Know what it looks like and avoid it.
All	Complacency	Don't let your operations fall into the "routine" category. Maintain situational awareness in all activities.

Date & Time Prepared: September 27th 2011 @ 1500 hrs

Operational Period: September 28th, from 0700 - 2000 hrs

Prepared By: Jeff Barnhart, SOF2

CA-SRF-001848

Six Rivers National Forest

Northern California Incident Management Team 1



**Today's discussion is from the
Aviation Category.**

AVIATION COMMUNICATIONS

Discuss the following information in terms of effective communication with aircraft. Involve the pilot in this discussion.

- Establish an air-to-ground frequency on the fire, and make sure everyone knows what it is.
Avoid switching frequencies in the middle of an operational period.
- Consider using national air-to-ground frequencies.
- Discuss Guard frequencies:
 - How they work.
 - When to use them.
 - What frequencies are established for aircraft in your area?

- Aviation communications should be clear, concise, short, and to the point.
- Use standard terminology that can be understood by all people you are talking to. Do not use local slang.
- Know what you want to say before you key the microphone. Don't think and talk at same time.
- Before you key your microphone to talk, be sure to listen to ensure you don't cut into another transmission.

- Identify who you want to talk to by the call sign and identify yourself in every transmission.
- If the frequency gets congested, request another frequency. Upon receipt, ensure that all people who need to be on the new frequency transfer to that frequency.
- When giving ground descriptions, describe the location as if you are viewing the location from the direction an aircraft would be traveling. Use a common frame of reference for the sender and receiver.
- Use easily understandable directions, such as north, south, east, west, 2 o'clock, 9 o'clock, left 20 degrees, right 45 degrees, etc.
- When giving directions, always give them in relation to the pilot's perspective.

References:

[Incident Response Pocket Guide](#)

[Fireline Handbook](#)

Have an idea? Have feedback? Share it.

ONLINE | MAIL: 6 Minutes For Safety Task Group • 3833 S. Development Ave • Boise, ID 83705 | FAX: 208-387-5250

[6 Minutes Home](#)

10. TASK/MISSION/ASSIGNMENT (Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, S&R, etc.)				
TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (if applic) OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
Type 1, 2,&3	Provide tactical and logistical support to Divisions B,M,Z			
H-553	Backhaul rappeller gear, Recon	Recon 1400hrs		All Div's
H-506	Slings water pillows Div Z, Backhaul Div B,Z			
H-553, H-506, H7BH, A/A 85L	Tentative release 1800hrs.	Slings 0930hrs		
TFR, Air to Air FW&RW Freqs	Tentative release 1800hrs.			
Eng MNF 332 & Water Tender E-31	Tentative release 1800hrs.			
Air to Ground Freq	Tentative release 1800hrs. Thursday 9-29			

TRAINING SPECIALIST MESSAGE

All Trainees:

If as much work as possible has been completed in the position task book, trainees may close their assignment with the Training Specialist prior to the demob process.

BEAT THE RUSH !

Bring the following to the exit interview

- A completed and signed Performance Evaluation
 - Your Task Book, filled in by your trainer

Training Watch Out of the day:

Your trainer asks you "So how do these darn task books things work anyhow?"

Training Quote of the day:

"I never teach my pupils; I only attempt to provide the conditions in which they can learn." - Albert Einstein

Dominic Panno
Training Specialist

The 5-D System for Effective Waterbars

When locating and building waterbars, place them the right **distance** apart, at a **diagonal** to the fireline, so that they **divert**, then **discharge**, then **dissipate** the energy of the flowing water. Be sure to make them deep enough so they'll be durable, and that soil does **not block** the water bar outlet.

Recommended spacing for waterbars on firelines.

Fireline slope %	Maximum Distance Apart (feet)
1-5	200
6-20	125
21-40	60
41-60	40
>60	25

Waterbars should be at least 2 pulaski widths wide and 12-24 inches high.

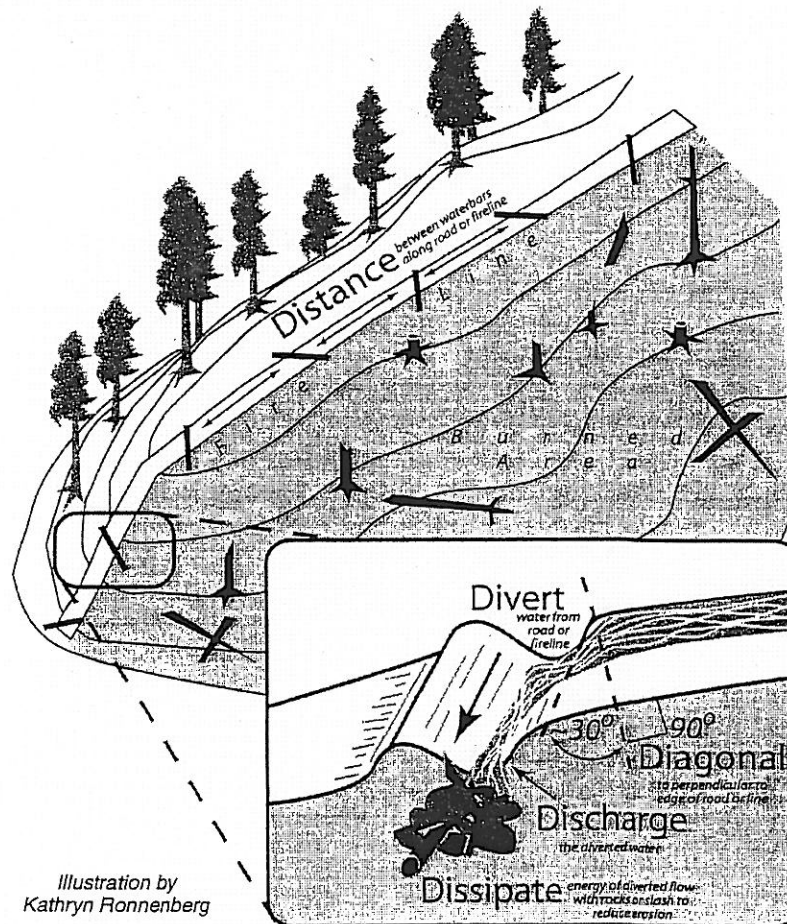


Illustration by
Kathryn Ronnenberg