

# MINERVA 5 FIRE



DAY SHIFT 0600 – 1800

AUGUST 2, 2017

CA-PNF-001043

P5K8GR (0511)




Minerva 5 CA-PNF-001043



## INCIDENT OBJECTIVES (ICS 202)

<b>1. Incident Name:</b>	<b>2. Operational Period: DAY</b>	
MINERVA 5	Date/Time From: 08/02/2017 0600      WED	Date/Time To: 08/02/2017 1800      WED
<b>3. Objective(s):</b>		
<ul style="list-style-type: none"> <li>• Ensure firefighter and public safety by using strategies and tactics that mitigate known and anticipated hazards while providing for the highest probability of success</li> <li>• Provide accurate and timely fire information through interagency and public coordination</li> <li>• Protect cultural values and natural resources in the fire area</li> <li>• In order to minimize the threat to the community of Quincy, it's infrastructure, critical assets, and community watershed keep the Minerva Fire:               <ul style="list-style-type: none"> <li>• South and East of Forest Road 24N20</li> <li>• West of Forest Road 24N73</li> <li>• North of Forest Road 24N26</li> </ul> </li> </ul>		
<b>4. Operational Period Command Emphasis:</b>		
<b>General Situational Awareness:</b>		
<b>5. Site Safety Plan Required?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
<b>Approved Site Safety Plan(s) Located at:</b>		
<b>6. Incident Action Plan</b> (the items checked below are included in this Incident Action Plan):		
<input checked="" type="checkbox"/> ICS 202 <input checked="" type="checkbox"/> ICS 203 <input checked="" type="checkbox"/> ICS 204 <input checked="" type="checkbox"/> ICS 205 <input type="checkbox"/> ICS 205A <input checked="" type="checkbox"/> ICS 206	<input type="checkbox"/> ICS 207 <input type="checkbox"/> ICS 208 <input checked="" type="checkbox"/> ICS 220 <input checked="" type="checkbox"/> Map/Chart <input checked="" type="checkbox"/> Weather Forecast/Tides/Currents	<b>Other Attachments:</b> <input checked="" type="checkbox"/> TRAINING MESSAGE <input checked="" type="checkbox"/> 215A <input checked="" type="checkbox"/> 214 <input type="checkbox"/> _____
<b>7. Prepared by:</b> COLSON / MARTIN      Position/Title:      PSC2	Signature:	
<b>8. Approved by Incident Commander:</b>	Name:      MILLS / STRAWHUN / GRIFFIN (T)	Signature:
ICS 202	IAP Page	Date/Time:      08/01/2017 1900

## ORGANIZATION ASSIGNMENT LIST (ICS 203)

<b>1. Incident Name:</b>		<b>2. Operational Period: DAY</b>	
MINERVA 5		Date/Time From: 08/02/2017 0600	Date/Time To: 08/02/2017 1800
		WED	WED
<b>3. Incident Commander(s) and Command Staff:</b>		<b>6. Logistics Section:</b>	
INCIDENT COMMANDER	DERON MILLS STEVEN GRIFFIN (T)	CHIEF	AARON DUNCAN MARK RATEKIN (T)
DEPUTY	MICHAEL STRAWHUN	DEPUTY	RANDY JACKSON
SAFETY OFFICER	ROLAND GARCIA RICK BERTRAM	SUPPLY UNIT	DAVID GERSTUNG
INFORMATION OFFICER	MICHELLE CARBONARO/CHERYL CHIPMAN BRENDAN HALLE (T)	FACILITIES UNIT	MATT WIGGINS TIM CRISP (T)
LIAISON OFFICER	DAVID COOPER ALLEN JOHNSON	GROUND SUPPORT UNIT	VERN SMITH LARRY AMERJAN
		COMMUNICATIONS UNIT	JOSEPH MEHCIZ TROY VAUGHN (T)
		MEDICAL UNIT	KEVIN ALBERTSON DEVIN LAWRENCE
		SECURITY UNIT	FERNANDO GOMEZ
		FOOD UNIT	MIKE CHAPMAN
<b>4. Agency/Organization Representative(s):</b>		<b>7. Operations Section:</b>	
<b>Agency/Organization</b>	<b>Name</b>	OPS SECTION CHIEF	JEFFREY HINSON
USFS PNF AA	DANIEL LAVATO	NIGHT OPS	STEVE WATKINS
CAL FIRE LMU AA	LANE CALDWELL	PLANNING OPS	CLINT GOULD LUIS GOMEZ (T)
PLUMAS SHERIFF	NICK DAWSON		
QUINCY PFD	ROBBIE CASSOU		
CHESTER FPD	JOE WATERMAN	DIVISION/GROUP	A JOSH GOLDSTEIN
CAL OES	KEN HOOD	DIVISION/GROUP	D NATE LEISING DAVID ERNST (T)
CDCR	TAMMY MAINE	DIVISION/GROUP	M ADAM SANDERS CHRIS AHLNUND (T)
PACIFIC GAS & ELECTRIC	ROB CONE	DIVISION/GROUP	N TODD MCNEAL
<b>5. Planning Section:</b>		DIVISION/GROUP	O BROOKE NUNEZ STEVE GONZALEZ (T)
CHIEF	ARTIE COLSON	DIVISION/GROUP	Z JASON WINGARD RHETT WHISENHUNT (T)
DEPUTY	DAVE MARTIN	<b>7b. Air Operations Branch:</b>	
RESOURCES UNIT	DEREK PARKER	AIR OPS BRANCH DIRECTOR	ROBERT DELMAS KERRY KOSKELA
SITUATION UNIT	MARK LEMON; ROBERT VERDIE DEREK PARKER (T)	AIR SUPPORT SUPERVISOR	ROBERT REECE
DEMOBILIZATION UNIT	JULIE ROBERTS	<b>8. Finance/Administration Section:</b>	
FIRE BEHAVIOR ANALYST	TARO PUSINA	CHIEF	JOAN DISNEY
TRAINING SPECIALIST	DEREK PARKER	TIME UNIT	TIFFANIE SACHE-SANITI
GIS SPECIALIST	LARRY VREDEBURGH DIANE SAVIN-DUKLETH		
TECHNOLOGY SUPPORT SPECIALIST	RON WATSON		
INCIDENT METEOROLOGIST	JASON CLAPP		
RESOURCE ADVISOR	MIGUEL JEFFREY		
<b>9. Prepared By:</b>	<b>Name:</b> DEREK PARKER	<b>Position/Title:</b> RESL	<b>Signature:</b>
ICS 203	IAP Page	<b>Date/Time:</b> 08/01/2017 1946	




# Minerva Incident Weather Forecast



**FORECAST NO:** 4

**NAME OF FIRE:** Minerva

**PREDICTION FOR:** 0600 - 1800  
**SHIFT DATE:** Wednesday, Aug 2, 2017

**UNIT:** CA-PNF  
**SIGNED:** Jason Clapp  
  
**Incident Meteorologist**  
Jason Clapp – 240-778-5296 (call/txt)

**TIME AND DATE**  
**FORECAST ISSUED:** 2130 Tuesday 8/1/17

**Weather Discussion:**

Today may continue with cumulus buildups over area with increased chance of isolated thunderstorms...**main concern would be erratic outflow winds in vicinity of storms.** Good vertical mixing this week to due instability will aid column development.

**WEATHER FORECAST for Today (Wednesday): 20% chance of isolated TS – Erratic Outflows**

	Ridgetops / Upper Slope (6K ft)	Valleys / Lower Slopes (4K ft)
<b>Weather</b>	Partly cloudy to mostly cloudy with 20% chance of afternoon isolated t-storms (1500-1800).	
<b>Highs</b>	86 – 89 ( <i>little change</i> )	92 – 95 ( <i>little change</i> )
<b>Min RH</b>	24 – 28% ( <i>little change</i> )	20 – 24% ( <i>little change</i> )
<b>20 ft Winds</b>	SSE 4 mph gusting to 8 mph. After 1300, SW 6-9 mph G13 mph	Light upslope After 1100, up/cross canyon 4-5 mph G8 mph

**Inversion:** Lifting by 1000

**WEATHER FORECAST for Tonight:**

	Ridgetops / Upper Slope (6K ft)	Valleys / Lower Slopes (4K ft)
<b>Weather</b>	Cumulus buildups weakening after 1800 with smoke settling toward Quincy	
<b>Lows</b>	63 – 67 ( <i>little change</i> )	58 – 62 ( <i>little change</i> )
<b>Max RH</b>	50 – 55% ( <i>little change</i> )	60 – 65% ( <i>little change</i> )
<b>20 ft Winds</b>	SW 5-8 mph gusting to 13 mph After 2200, N 4 gusting to 8 mph	Becoming light downslope After 2200, downcanyon 3-4 mph with gusts 8 mph

**Thermal Belts:** 35 – 40%

**Inversion:** Setting up after 2100-2200

**OUTLOOK for Thursday: 10% chance of isolated TS – Erratic Outflows**

<b>Weather</b>	Partly cloudy with afternoon cumulus buildups, but not as much potential over fire. 10% chance isolated t-storms	
<b>Highs/Lows</b>	Ridges: 84 – 87...Valleys: 89 – 92	Lows 57 – 68
<b>Min/Max RH</b>	Min: 18 – 25%	Max: 50-65%...40-45% thermal belts
<b>20 ft Winds</b>	Upslope winds 3-5 mph becoming up/cross canyon 4-5 mph with afternoon gusts 8 mph. S shifting SW ridge winds 6-10 gusting 15 mph.	

**Inversion:** Lifting by 1000

# FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 5	TYPE OF FIRE: Wildfire
FIRE NAME: Minerva 5	OPERATIONAL PERIOD: Day 0600 - 1800 , Aug. 2, 2017
DATE ISSUED: Aug. 1, 2017	TIME ISSUED: 2100
UNIT: Plumas NF, Mt. Hough Ranger District	SIGNED: /s/ <i>Taro Pusina</i> Taro Pusina, FBAN

## INPUTS

### WEATHER SUMMARY

\*\*\* See Incident Weather Forecast \*\*\*

#### Discussion:

Hot and dry conditions in the fire area with cumulus buildup and a slight chance of isolated thunderstorms. Winds will generally be terrain driven - up valley/drainage during the day and down valley/drainage at night.

**Weather:** Partly to mostly cloudy with afternoon cumulus buildup. 20% chance of isolated T-storms  
**Max Temps:** Valleys / lower slopes: 92 - 95°, ridges / upper slopes: 86 - 89°  
**Min RH:** Valleys / lower slopes: 20 - 24%, ridges / upper slopes: 24 - 28%  
**20' Winds:** Valleys / lower slopes - light upslope, becoming updrainage 4 - 5 mph with gusts to 8 mph after 1100.  
Ridges / upper slopes - S/SE 4 mph with gusts to 8 mph, becoming SW 6 - 9 mph gusting to 13 after 1300.

\*\*\* Expect Gusty and Erratic Outflow Winds Near Thunder Cells \*\*\*

## FIRE BEHAVIOR

### GENERAL:

\*\*\* Quincy BI is 42 and ERC is 60 \*\*\*

**Fuels, weather and topography are aligning for very active fire behavior.**

- **Fuels:** A very wet winter created abundant new vegetation growth. Live and dead mixed conifer fuels and brush are approaching critically dry moisture levels - 1000 hr's. near 10% and lives near 100% - Dense long and short needle timber, manzanita and chinquapin and regeneration ladder fuels provide avenues for crownfire initiation.
- **Weather:** Persistent hot, dry weather coupled with an unstable atmosphere and moderate winds are conducive for rapid and intense fire spread. Gusty and erratic winds near thunderstorms can rapidly push fire in **ANY** direction.
- **Topography:** Steep topography - to 100% slope with deep drainages - can channel upslope/updrainage winds during the heat of the day from 1100 - 1900. The elev. range is 4500 - 6500'. Aspects are generally SW and NE.

### SPECIFIC FIRE BEHAVIOR:

Maximum fire behavior expected includes group tree and brush torching with short duration crownfire runs. Expect 100'+ flame lengths in mature timber and brush with 12 - 40 chs./hr. max rates of spread with ½ - ¾ mi. spotting distances and 70% probability of ignition. Surface fire behavior includes smoldering, creeping, flaming and running with 3 - 5' headfire flame lengths in timber and 6 - 10' flame lengths in brush. Surface rates of spread in timber can reach 5 - 13 chs./hr. in timber and 7 - 17 chs./hr. in brush. Reduce these numbers roughly in half for backing fire spread.

**DIV's A and D:** Direct attack has significantly reduced fire activity. Pockets of heat with flare-up potential exist near the line. Prevailing westerly winds should aid in indirect firing operations along the Claremont Peak ridge dozerline.

**DIV's M, N, O, and Z:** Fire well established in West and Middle Mill Creeks. High likelihood of slope reversal in Middle Branch Ck. with subsequent crownfire runs toward East Claremont ridge. Max. spread predicted 0.5 - 1.5 miles S/SE.

## AIR OPERATIONS

- Smoky conditions likely in the fire area until the inversion lifts around 1000 hours.

Sunrise 08/02: 0604 hrs.

Sunset 08/2: 2016 hrs.

## SAFETY

- Slope reversal in drainage bottoms can result in *significantly increased fire spread rates and flame lengths.*

## Division/Group Assignment List (ICS 204 WF)



<b>1. Incident Name:</b>				<b>3.</b>		
MINERVA 5				<b>Branch:</b>		<b>Division/Group:</b>  <b>A</b>
<b>2. Operational Period: DAY</b>						
Date/Time From: 08/02/2017 0600      WED		Date/Time To: 08/02/2017 1800      WED				
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>		JEFFREY HINSON		<b>PLANNING OPS</b>		CLINT GOULD LUIS GOMEZ (T)
<b>DIVISION/GROUP SUPERVISOR</b>		JOSH GOLDSTEIN				
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
CREW - T1 - S/T 9243G		08/11	KYLE FERRIS	30	ICP/0600	ICP/0600
CREW - T2IA - JICARILLA 1				20	ICP/0600	ICP/1800
CREW - T2IA - FIRESTORM				20	ICP/0600	ICP/1800
CREW - T2IA - GILA REGULARS				20	ICP/0600	ICP/1800
CREW - H512				8	ICP/0600	ICP/1800
CREW - H516				8	ICP/0600	ICP/1800
SMOKEJUMPERS				17	ICP/0600	ICP/1800
ENG - T2- GHC 8322				3	ICP/0600	ICP/1800
ENG - T3 - PNF 325				5	ICP/0600	ICP/1800
ENG - T3 - SNF 312		08/11		5	ICP/0600	ICP/1800
WT - T2 - PNF 2		08/11	BEN ELWELL	2	ICP/0600	ICP/1800
WT - T2 - TNF 31		08/11		2	ICP/0600	ICP/1800
WT - T2 - ENF 235		08/11		2	ICP/0600	ICP/1800
WT - T2 - MVF 8231		08/11		2	ICP/0600	ICP/1800
SOFR		08/15	DONALD FULLMER	1	ICP/0600	ICP/1800
TFLD		08/13	JOE DURAN	1	ICP/0600	ICP/1800
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 FIRE ADMIN	171.4250N		163.1625N	T6(156.7),T8(103.5)	A
TACTICAL	6 NIFC TAC 3	168.6000N		168.6000N		A
AIR TO GROUND TAC	13	169.2875N		169.2875N		A
AIR TO GROUND CMD	14	167.5500N		167.5500N		A
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A
AIR GUARD	16	168.6250N		168.6250N	T1 - 110.9	A
<b>9. Prepared By (Resource Unit Leader)</b>		<b>Approved By (Planning Section Chief)</b>			<b>Date</b>	<b>Time</b>
DEREK PARKER		 ARTIE COLSON/DAVE MARTIN			08/01/2017	1946

## Division/Group Assignment List (ICS 204 WF)



<b>1. Incident Name:</b>			<b>3.</b>			
MINERVA 5			<b>Branch:</b>	<b>Division/Group:</b>  <b>A</b>		
<b>2. Operational Period: DAY</b>						
Date/Time From:	Date/Time To:					
08/02/2017 0600 WED	08/02/2017 1800 WED					
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>	JEFFREY HINSON	<b>PLANNING OPS</b>	CLINT GOULD LUIS GOMEZ (T)			
<b>DIVISION/GROUP SUPERVISOR</b>	JOSH GOLDSTEIN					
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
<b>6. Control Operations/Work Assignments:</b>						
Continue to hold and improve established firelines from A / O break to A / Z break.  Go direct where possible and burnout where needed.						
<b>7. Special Instructions:</b>						
Travel westbound from ICP on Highway 70 to Bucks Lake Rd approximately 3-4 miles to the 24N28 Road. Travel to the 24N20 Road into the fire. To leave the fire and head back to the ICP take 24N20 Road east to ICP.  Red and black flagging denotes areas of special concern to be avoided. If found contact your DIVS.						
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 FIRE ADMIN	171.4250N		163.1625N	T6(156.7),T8(103.5)	A
TACTICAL	6 NIFC TAC 3	168.6000N		168.6000N		A
AIR TO GROUND TAC	13	169.2875N		169.2875N		A
AIR TO GROUND CMD	14	167.5500N		167.5500N		A
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A
AIR GUARD	16	168.6250N		168.6250N	T1 - 110.9	A
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
DEREK PARKER			ARTIE COLSON/DAVE MARTIN		08/01/2017	1946




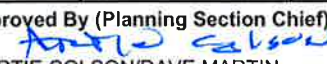
## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>			<b>3.</b>			
MINERVA 5			<b>Branch:</b>		<b>Division/Group:</b>  <b>D</b>	
<b>2. Operational Period:</b> <b>DAY</b>						
Date/Time From: 08/02/2017 0600                      WED		Date/Time To: 08/02/2017 1800                      WED				
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>		JEFFREY HINSON		<b>PLANNING OPS</b>		
				CLINT GOULD LUIZ GOMEZ (T)		
<b>DIVISION/GROUP SUPERVISOR</b>		NATE LEISING DAVID ERNST (T)				
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
CREW - T2 - DUSTBUSTERS				20	ICP/0600	ICP/1800
ENG - T3 - S/T - XAL 2007C		08/13	MIKE HILDEBRAND	21	ICP/0600	ICP/1800
ENG - T3 - PNF 22		08/11		5	ICP/0600	ICP/1800
ENG - T3 - AZ-ADL		08/12		4	ICP/0600	ICP/1800
ENG - T3 - AZ-MAY1		08/12		4	ICP/0600	ICP/1800
ENG - T3 - AZ-SPI		08/12		4	ICP/0600	ICP/1800
WT - T2 - TNF 32		08/15		2	ICP/0600	ICP/1800
WT - T2 - THOMPSON (E-123)		08/15	TIM THOMPSON	1	ICP/0600	ICP/1800
GRADER - T2 - WILBURN (E-68)		08/14	BRENT DINGEL	1	ICP/0600	ICP/1800
FALLER MOD - ROSEBUSH (O-125)		08/14	JACK ROSEBUSH	1	ICP/0600	ICP/1800
FALLER MOD AMERICAN TIMBER O-126		08/14	DAN TOMMILA	2	ICP/0600	ICP/1800
SOFR		08/13	JAMES STEPHENS	1	ICP/0600	ICP/1800
TFLD		08/15	JACOB BIRDSEL	1	ICP/0600	ICP/1800
READ		08/14	MIGUEL JEFFREY	1	ICP/0600	ICP/1800
READ		08/14	KELBY GARDINER	1	ICP/0600	ICP/1800
READ		08/14	DAVID HAMILTON	1	ICP/0600	ICP/1800
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 FIRE ADMIN	171.4250N		163.1625N	T6(156.7)T8(103.5)	A
TACTICAL	7 NIFC TAC 5	166.7250N		166.7250N		A
AIR TO GROUND TAC	13	169.2875N		169.2875N		A
AIR TO GROUND CMD	14	167.5500N		167.5500N		A
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A
AIR GUARD	16	168.6250N		168.6250N	T1 - 110.9	A
<b>9. Prepared By (Resource Unit Leader)</b>		<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>	
DEREK PARKER 		ARTIE COLSON/DAVE MARTIN 		08/01/2017	1946	



## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>		<b>3.</b>				
MINERVA 5		<b>Branch:</b>		<b>Division/Group:</b>		
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<b>DAY</b>						
Date/Time From: 08/02/2017 0600	WED	Date/Time To: 08/02/2017 1800	WED			
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>	JEFFREY HINSON		<b>PLANNING OPS</b>		CLINT GOULD LUIZ GOMEZ (T)	
<b>DIVISION/GROUP SUPERVISOR</b>	NATE LEISING DAVID ERNST (T)					
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
<b>6. Control Operations/Work Assignments:</b>						
Hold and improve existing lines and mop up where safe to do so.						
<b>7. Special Instructions:</b>						
Travel westbound from ICP on Highway 70 to Bucks Lake Rd approximately 3-4 miles to the 24N28 Road. Travel to the 24N20 Road into the fire. To leave the fire and head back to the ICP take 24N20 Road east to ICP.						
Red and black flagging denotes areas of special concern to be avoided. If found contact your DIVS.						
READ's to be traveling through DIV D and O. Will check in with DIVS as they pass through.						
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 FIRE ADMIN	171.4250N		163.1625N	T6(156.7)T8(103.5)	A
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<b>9. Prepared By (Resource Unit Leader)</b>		<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>	
DEREK PARKER 		ARTIE COLSON/DAVE MARTIN 		08/01/2017	1946	



## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>			<b>3.</b>			
MINERVA 5			<b>Branch:</b>		<b>Division/Group:</b>	
<b>2. Operational Period:</b>			<b>M</b>			
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Date/Time From: 08/02/2017 0600      WED		Date/Time To: 08/02/2017 1800      WED				
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>		JEFFREY HINSON		<b>PLANNING OPS</b>		
				CLINT GOULD LUIS GOMEZ (T)		
<b>DIVISION/GROUP SUPERVISOR</b>		ADAM SANDERS CHRIS AHNLUND (T)				
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
CREW - T1 - SILVER STATE IHC		08/12	KEVIN KELLY	22	ICP/0600	ICP/1800
CREW - T1 - DIAMOND MT IHC				20	ICP/0600	ICP/1800
CREW - T1 - S/T 9231G		08/12	JOE MADSEN	30	ICP/0600	ICP/0600
CREW - T2IA - KERN VALLEY		08/11	LIEF MATHIESON	20	ICP/0600	ICP/1800
ENG - T1 - S/T MINERVA 1			JOE WATERMAN		ICP/0600	ICP/1800
ENG - T1 - S/T OES 3800A				17	ICP/0600	ICP/1800
ENG - T1 - OES 360		08/11			ICP/0600	ICP/1800
ENG - T3 - S/T 1604C					ICP/0600	ICP/1800
ENG - T3 - S/T 4660C		08/02		27	ICP/0600	ICP/1800
ENG - T3 - S/T XME 2150C		08/13	JOHN THOMEN	19	ICP/0600	ICP/1800
ENG - T3 - S/T XAL 2200C		08/13	JOSE MARTIN	19	ICP/0600	ICP/1800
ENG - T3 - GREENVILLE FPD RANCHERIA BIA - E-1		08/12		4	ICP/0600	ICP/1800
WT - T1 - OES 32		08/12	MATTHEW TURNER	2	ICP/0600	ICP/1800
WT - T2 - COLD SPRINGS (E-82)		08/14		1	ICP/0600	ICP/1800
SOF2		08/15	PEDRO MARTINEZ	1	ICP/0600	ICP/1800
SOFR (T)		08/15	RAYMOND TORRES	1	ICP/0600	ICP/1800
THSP		08/13	JOHN GAY	1	ICP/0600	ICP/1800
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 FIRE ADMIN	171.4250N		163.1625N	T6(156.7)T8(103.5)	A
TACTICAL	8 NIFC TAC 6	166.7750N		166.7750N		A
AIR TO GROUND TAC	13	169.2875N		169.2875N		A
AIR TO GROUND CMD	14	167.5500N		167.5500N		A
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A
AIR GUARD	16	168.6250N		168.6250N	T1 - 110.9	A
<b>9. Prepared By (Resource Unit Leader)</b>		<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>	
DEREK PARKER 		ARTIE COLSON/DAVE MARTIN 		08/01/2017	1946	


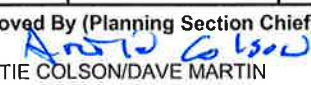
## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>			<b>3.</b>			
MINERVA 5			<b>Branch:</b>		<b>Division/Group:</b>  <b>M</b>	
<b>2. Operational Period:</b> DAY						
Date/Time From: 08/02/2017 0600 WED		Date/Time To: 08/02/2017 1800 WED				
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>		JEFFREY HINSON		<b>PLANNING OPS</b>		CLINT GOULD LUIS GOMEZ (T)
<b>DIVISION/GROUP SUPERVISOR</b>		ADAM SANDERS CHRIS AHNLUND (T)				
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
<b>6. Control Operations/Work Assignments:</b>						
Continue prep on 24N20 east towards Quincy.						
Continue direct line.						
Scout for location to tie into Division N.						
<b>7. Special Instructions:</b>						
Travel westbound from ICP on Highway 70 to Bucks Lake Rd approximately 3-4 miles to the 24N28 Road. Travel to the 24N20 Road into the fire.						
To leave the fire and head back to the ICP take 24N20 Road east to ICP.						
Red and black flagging denotes areas of special concern to be avoided. If found contact your DIVS.						
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 FIRE ADMIN	171.4250N		163.1625N	T6(156.7)T8(103.5)	A
TACTICAL	8 NIFC TAC 6	166.7750N		166.7750N		A
AIR TO GROUND TAC	13	169.2875N		169.2875N		A
AIR TO GROUND CMD	14	167.5500N		167.5500N		A
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A
AIR GUARD	16	168.6250N		168.6250N	T1 - 110.9	A
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
DEREK PARKER 			ARTIE COLSON/DAVE MARTIN 		08/01/2017	1946

## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>				<b>3.</b>			
MINERVA 5				<b>Branch:</b>		<b>Division/Group:</b>  <b>N</b>	
<b>2. Operational Period: DAY</b>							
Date/Time From: 08/02/2017 0600 WED		Date/Time To: 08/02/2017 1800 WED					
<b>4. Operations Personnel</b>							
<b>OPERATIONS CHIEF</b>		JEFFREY HINSON		<b>PLANNING OPS</b>		CLINT GOULD LUIZ GOMEZ (T)	
<b>DIVISION/GROUP SUPERVISOR</b>		TODD MCNEAL					
<b>5. Resources Assigned this Period</b>							
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
ENG - T6 - MOORETOWN 5163		08/15	SCOTT STEINBRING	5			
ENG - T6 - LNP 76		08/15	LUCAS HUNKLER	4			
ENG - T6 - BOHICA 61		08/15		3			
ENG - T6 - WSA 38		08/10	RAYMOND JONES	3			
<b>6. Control Operations/Work Assignments:</b>							
Scout for future fire line.							
Utilize crews and dozers when they become available.							
<b>7. Special Instructions:</b>							
Travel westbound from ICP on Highway 70 to Bucks Lake Rd approximately 3-4 miles to the 24N28 Road. Travel to the 24N20 Road into the fire. To leave the fire and head back to the ICP take 24N20 Road east to ICP.  Red and black flagging denotes areas of special concern to be avoided. If found contact your DIVS.							
<b>8. Division/Group Communication Summary</b>							
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode	
COMMAND	1 FIRE ADMIN	171.4250N		163.1625N	T6(156.7)T8(103.5)	A	
TACTICAL	11 R5 TAC 5	167.1125N		167.1125N		A	
AIR TO GROUND TAC	13	169.2875N		169.2875N		A	
AIR TO GROUND CMD	14	167.5500N		167.5500N		A	
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A	
AIR GUARD	16	168.6250N		168.6250N	T1 - 110.9	A	
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>			<b>Date</b>	<b>Time</b>
DEREK PARKER 			ARTIE COLSON/DAVE MARTIN 			08/01/2017	1946


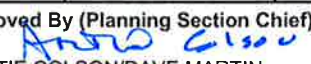
### Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b> MINERVA 5		<b>3.</b>				
<b>2. Operational Period:</b> DAY		Branch:	Division/Group:  <b>O</b>			
Date/Time From: 08/02/2017 0600 WED	Date/Time To: 08/02/2017 1800 WED					
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>	JEFFREY HINSON		<b>PLANNING OPS</b>	CLINT GOULD LUIS GOMEZ (T)		
<b>DIVISION/GROUP SUPERVISOR</b>	BROOKE NUNEZ STEVE GONZALEZ (T)					
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
DOZ - T2 - SNF 2				ICP/0600	ICP/1800	
DOZ - T2 - ANF 3	08/12	DANIEL PAUL GALLANT	2	ICP/0600	ICP/1800	
DOZ - T2 - NORTHSTATE (E-86)			1	ICP/0600	ICP/1800	
HEQB		DANIEL PATTERSON	1	ICP/0600	ICP/1800	
HEQB	08/15	MICHAEL PETRUNCIO	1	ICP/0600	ICP/1800	
READ	08/13	MIGUEL JEFFREY	1	ICP/0600	ICP/1800	
READ	08/14	KELBY GARDINER	1	ICP/0600	ICP/1800	
READ	08/14	DAVID HAMILTON	1	ICP/0600	ICP/1800	
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 FIRE ADMIN	171.4250N		163.1625N	T6(156.7)T8(103.5)	A
TACTICAL	9 NIFC TAC 7	168.2500N		168.2500N		A
AIR TO GROUND TAC	13	169.2875N		169.2875N		A
AIR TO GROUND CMD	14	167.5500N		167.5500N		A
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A
AIR GUARD	16	168.6250N		168.6250N	T1 - 110.9	A
<b>9. Prepared By (Resource Unit Leader)</b> DEREK PARKER 		<b>Approved By (Planning Section Chief)</b>  ARTIE COLSON/DAVE MARTIN		<b>Date</b> 08/01/2017	<b>Time</b> 1946	

## Division/Group Assignment List (ICS 204 WF)



<b>1. Incident Name:</b>		<b>3.</b>	
MINERVA 5		<b>Branch:</b>	<b>Division/Group:</b>
<b>2. Operational Period:</b>		O	
<b>DAY</b>			
Date/Time From: 08/02/2017 0600	WED	Date/Time To: 08/02/2017 1800	WED
<b>4. Operations Personnel</b>			
<b>OPERATIONS CHIEF</b>	JEFFREY HINSON	<b>PLANNING OPS</b>	CLINT GOULD LUIS GOMEZ (T)
<b>DIVISION/GROUP SUPERVISOR</b>	BROOKE NUNEZ STEVE GONZALEZ (T)		
<b>5. Resources Assigned this Period</b>			
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons
Drop Off PT./Time	Pick Up PT./Time		
<b>6. Control Operations/Work Assignments:</b>			
Scout for future fire line.			
Utilize crews and dozers when they become available.			
<b>7. Special Instructions:</b>			
Travel westbound from ICP on Highway 70 to Bucks Lake Rd approximately 3-4 miles to the 24N28 Road. Travel to the 24N20 Road into the fire.			
To leave the fire and head back to the ICP take 24N20 Road east to ICP.			
Red and black flagging denotes areas of special concern to be avoided. If found contact your DIVS.			
READs traveling through Div D and O. Will check in with DIVS.			
<b>8. Division/Group Communication Summary</b>			
Function	Channel	RX Frequency N/W	RX Tone/NAC
TX Frequency N/W	TX Tone/NAC	Mode	
COMMAND	1 FIRE ADMIN	171.4250N	163.1625N
TACTICAL	9 NIFC TAC 7	168.2500N	T6(156.7)T8(103.5)
AIR TO GROUND TAC	13	169.2875N	168.2500N
AIR TO GROUND CMD	14	167.5500N	169.2875N
MEDICAL	15 CALCORD	156.0750N	167.5500N
AIR GUARD	16	168.6250N	T6 - 156.7
			156.0750N
			T6 - 156.7
			168.6250N
			T1 - 110.9
			A
			A
<b>9. Prepared By (Resource Unit Leader)</b>		<b>Approved By (Planning Section Chief)</b>	
DEREK PARKER		ARTIE COLSON/DAVE MARTIN	
		<b>Date</b>	<b>Time</b>
		08/01/2017	1946

## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>				<b>3.</b>			
MINERVA 5				<b>Branch:</b>		<b>Division/Group:</b>  <b>Z</b>	
<b>2. Operational Period: DAY</b>							
Date/Time From: 08/02/2017 0600 WED		Date/Time To: 08/02/2017 1800 WED					
<b>4. Operations Personnel</b>							
<b>OPERATIONS CHIEF</b>		JEFFREY HINSON		<b>PLANNING OPS</b>		CLINT GOULD LUIS GOMEZ (T)	
<b>DIVISION/GROUP SUPERVISOR</b>		JASON WINGARD RHETT WHISENHUNT (T)					
<b>5. Resources Assigned this Period</b>							
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
CREW - T1 - BLACK MOUNTAIN IHC		08/04	PAMELA MESSAL	19	ICP/0600	ICP/1800	
CREW - T2IA - APACHE-SITGREAVES #1		08/09	DANIEL RUEBUSH	18	ICP/0600	ICP/1800	
CREW - T2 - SHASTA 21		08/14		17	ICP/0600	ICP/1800	
CREW - T2 - 3B'S FORESTRY INC		08/14	AARON ABLE	20	ICP/0600	ICP/1800	
ENG - T3 - S/T 9210C		08/04	PAUL CARLOS	18	ICP/0600	ICP/0600	
ENG - T3 - S/T XSN 2376C		08/13	JEFF HOLDEN	22	ICP/0600	ICP/1800	
DOZ - T2 - S/T 9151L			JAKE ROSEBROCK	6	ICP/0600	ICP/0600	
DOZ - T2 - PNF 1		08/13		2	ICP/0600	ICP/1800	
DOZ - T2 - PNF 3		08/13	C ZINN	2	ICP/0600	ICP/1800	
DOZ - T2 - NORTHSTATE E-31		08/12	GEORGE POE	1	ICP/0600	ICP/1800	
FALLER MODULE - MORGAN (O-127)				2	ICP/0600	ICP/1800	
SOF2		08/13	RICK BERTRAM	1	ICP/0600	ICP/1800	
HEQB			KEVIN FINKENKELLER	1	ICP/0600	ICP/1800	
HEQB			JESSE BUNCH	1	ICP/0600	ICP/1800	
HEQB (T)			LEE BLISS	1	ICP/0600	ICP/1800	
<b>8. Division/Group Communication Summary</b>							
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode	
COMMAND	1 FIRE ADMIN	171.4250N		163.1625N	T6(156.7)T8(103.5)	A	
TACTICAL	12 R5 TAC 6	168.2375N		168.2375N		A	
AIR TO GROUND TAC	13	169.2875N		169.2875N		A	
AIR TO GROUND CMD	14	167.5500N		167.5500N		A	
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A	
AIR GUARD	16	168.6250N		168.6250N	T1 - 110.9	A	
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>			<b>Date</b>	<b>Time</b>
DEREK PARKER 			ARTIE COLSON/DAVE MARTIN 			08/01/2017	1946



## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>			<b>3.</b>			
MINERVA 5			<b>Branch:</b>		<b>Division/Group:</b>  <b>Z</b>	
<b>2. Operational Period: DAY</b>						
Date/Time From: 08/02/2017 0600      WED		Date/Time To: 08/02/2017 1800      WED				
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>		JEFFREY HINSON		<b>PLANNING OPS</b>		CLINT GOULD LUIS GOMEZ (T)
<b>DIVISION/GROUP SUPERVISOR</b>		JASON WINGARD RHETT WHISENHUNT (T)				
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
<b>6. Control Operations/Work Assignments:</b>						
Improve dozer line and continue dozer line construction towards Z / O break.						
Prepare for possible burnout operations.						
<b>7. Special Instructions:</b>						
Travel westbound from ICP on Highway 70 to Bucks Lake Rd approximately 3-4 miles to the 24N28 Road. Travel to the 24N20 Road into the fire.						
To leave the fire and head back to the ICP take 24N20 Road east to ICP.						
Red and black flagging denotes areas of special concern to be avoided. If found contact your DIVS.						
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 FIRE ADMIN	171.4250N		163.1625N	T6(156.7)T8(103.5)	A
TACTICAL	12 R5 TAC 6	168.2375N		168.2375N		A
AIR TO GROUND TAC	13	169.2875N		169.2875N		A
AIR TO GROUND CMD	14	167.5500N		167.5500N		A
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A
AIR GUARD	16	168.6250N		168.6250N	T1 - 110.9	A
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
DEREK PARKER 			ARTIE COLSON/DAVE MARTIN 		08/01/2017	1946

## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>				<b>3.</b>		
MINERVA 5				<b>Branch:</b>	<b>Division/Group:</b>  <b>STAGING</b>	
<b>2. Operational Period: DAY</b>						
Date/Time From: 08/02/2017 0600      WED		Date/Time To: 08/02/2017 1800      WED				
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>		JEFFREY HINSON		<b>PLANNING OPS</b>		CLINT GOULD LUIS GOMEZ (T)
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
ENG - T3 - SQF 23		08/08	BRENTEN B STARLING	5	ICP/0600	ICP/1800
ENG - T3 - SNF 314		08/08	FRANCISCA P ADAMS	5	ICP/0600	ICP/1800
ENG - T3 - SNF 341		08/08	CARLOS R CABANAS	5	ICP/0600	ICP/1800
ENG - T3 - PNF 34				5	ICP/0600	ICP/1800
<b>6. Control Operations/Work Assignments:</b>						
Maintain a state of readiness and be prepared to respond within a 3 minute time frame.						
<b>7. Special Instructions:</b>						
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND						
TACTICAL						
LOGISTICS						
AIR TO GROUND						
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
DEREK PARKER			ARTIE COLSON/DAVE MARTIN		08/01/2017	2244

# AIR OPERATIONS SUMMARY

Operational Period Date: 8/2/2017      Start: 07:00      End: 21:00      3. Sunrise: 06:04      Sunset: 20:48

1. INCIDENT NAME: Minerva      PREPARED BY: Rob Delmas      PREPARED DATE/TIME: 08-01-2017

4. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.):  
 MEDEVAC AIRCRAFT SEE Medical Plan.  
 No flights over ICP or sling loads over residential areas.  
 Washoe County Raven - Night Hoist/ BLS  
 Implement 300 feet standard policy procedures for retardant avoidance in riparian areas.  
 Washoe County SO  
 Give clear, concise direction when requesting missions....need a location and contact.      (775)785-4228  
 Hazards: Snags, non-incident aircraft and winds.

6. PERSONNEL	Phone	7. FREQUENCIES	AM	FM
AOBD: Rob Delmas	760-784-5399	AIR/AIR - RW	118.6250	
ASGS: Robert Reece	559-760-2186			
ASGS: Kerry Koskala	559-359-2122	AIR/AIR - FW		169.4375
ATGS: Mike Fralicks	559-760-8379	AIR/GROUND TACTICAL	Crews/Engines Firefighters	169.2875
ASGS:		AIR/GUARD	RX 168.6250	Tone 1 110.9
HELIC:		COMMAND REPEATER	Rx: 171.4250 Tx: 163.1625	Tone 6 (156.7) Tone 8 (103.5)
HEB1: Kyle Tolosano	530-515-0799	AIR/GROUND COMMAND	Operation Branch/Division	167.5500
HEB1 (T): Dave Dale		AIR/AIR BRIEFING	124.6750	
		DECK	163.100	163.100

8. FIXED-WING	# Avail / Type/ Make-Model / FAA N# / Base(s)
Airtankers	By Request: 4 Heavy 1 VLAT 2 Super Scoopers
Lead planes	By Request:
ATGS Aircraft Air Attack Air Attack	AA15 N700PQ Relief to be announced and time needed
Other Retardant	

9. HELICOPTERS (Use Additional Sheets As Necessary)

FAA N# or Designator	TY	MAKE/MODEL	BASE	START	REMARKS	FAA N# or Designator	TY	MAKE/MODEL	BASE	START	REMARKS
H-512	11	Bell 212	Gansner Airfield	0800	Pax/ Bucket	H403SS	1	S-64	Gansner Airfield	0800	Water Drops
H-516	11	Bell 212	Gansner Airfield	0800	Pax/ Bucket	H699RH	1	KMAX	Gansner Airfield	0800	Water Drops
						H202WM	1	KMAX	Gansner Airfield	0800	Water Drops
H7AC	III	Bell 407	Gansner Airfield	0800	Recon/ Helco/ Pax	H674TH	1	KMAX	Gansner Airfield	0800	Water Drops

10. TASK/MISSION/ASSIGNMENT (Use ICS-220a if additional space needed; Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, etc.)

TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (if applicable) OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
Troop shuttle	As assigned			
Water Drops	Priority. Division call air attack with request.			
Recon	As requested:			
Cargo	As assigned:			
Troop Shuttle:	As assigned:			

*Rob Delmas* AOBSD



**SAFETY MESSAGE**  
**SAFETY IS OUR FIRST PRIORITY**  
*Fire fighter safety comes first on every fire, every time*

<b>Incident : Minerva</b>	<b>Date: August 2, 2017</b>	<b>Shift: Day/Night</b>
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**LCES                      INCIDENT RESPONSE GUIDE                      WORK-REST GUIDELINES**

**SAFETY THOUGHT**

**A large number of firefighters will become chronically dehydrated. At 2% dehydration, performance will fall off by 10-20% and is the #1 trigger of daytime fatigue.**

**MAJOR HAZARDS AND RISKS**

A- Driving B-Steep Slopes/Rolling Material C-Heat Related Illness D- Snags/Tree Falling	E- Air Operations F- Heavy Equipment operations G- Extreme Fire Behavior H- Firing Operations	I-Wildlife/ Biting Insects J- Indirect fire line/Unburned fuels between you and the fire line.
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**USE THE INCIDENT RESPONSE POCKET GUIDE DAILY**

**Assess The Situation                      Identify Hazards                      Determine Hazard Controls**

**PROCEDURAL APPROACH TO SAFETY**

In a fire situation there are subjective hazards that we as firefighters create, and there are objective hazards such as fire entrapment, snags, rolling debris, and terrain that are inherent to firefighting. The subjective hazards we have control over just by using our attitudes and abilities. The objective hazards we cannot eliminate. The possibility of injury or entrapment is always there, the probability may be large or small. We must take steps to reduce the risks associated with our actions. By using a set procedure each operational period, we can minimize exposure to hazards and better ensure our safety by taking the following steps.

- **Determine what the assignment is**
- **Identify the hazards**
- **Analyze the risks**
- **Implement steps to ensure safety**
- **Re-analyze the situation as it changes**

<b>Line Safety Officers: See IAP</b>	<b>Safety Officers- Ron Garcia SOF2 Jimmy Stephens- SOF2</b>
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*Ron Garcia SOF2 Jimmy Stephens SOF2*


Minerva Incident Safety Analysis 215A

Ron Garcia SOF2 Minerva Fire - CA-PNF-001043 - 8/2/17, Day/Night


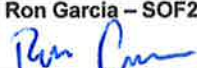
8. Location	9. Hazard	6. Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc)
All	Indirect Line Construction	~ Know what your fire is doing at all times. ~ Post lookouts ~ Have escape routes and safety zones identified ~ Establish trigger points for disengagement if fire activity picks up ~ Post road guards when appropriate and have a travel plan ~ Use existing natural and human made barriers
All	Hazard trees	~ Follow "Hazard Tree Safety" guidelines, IRPG (2014) page 22&23 ~ 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 ~ Post road guards when appropriate ~ Do not fall snags at night
All	Driving & Traffic	~ Practice "Defensive Driving" techniques traveling on all roads and city streets, mitigation strategy includes: ~ Use spotters when backing ~ Honk horn to alert personnel when backing ~ Always use headlights ~ Yield to pedestrians and bicycles ~ Observe posted speed limits ~ Follow 3 second rule of following distance when driving ~ Use chock blocks, turn wheels into hill ~ Seat Belts are mandatory ~ Adhere to local community traffic laws ~ No texting while driving
All	Heavy Equipment	~ Use extreme caution working around dozers ~ Make sure dozer back up alarms are working ~ Do not work below a dozer ~ Wear all appropriate PPE, including hearing protection ~ Stay 100 feet away from front and 50 feet away from rear of dozers
All	Steep Terrain	~ Evaluate necessity to send personnel to hazard areas ~ Be on lookout for rolling rocks ~ Don't work above any personnel ~ Maintain 8' - 10' spacing when working & walking
All	Fatigue & Overexertion Heat disorders	~ Hydrate frequently ~ Rotate crews out of smoky areas ~ Set a reasonable work pace and allow adequate rest breaks ~ Use buddy system to monitor personnel of heat related and fatigue issues ~ Follow work / rest guidelines or mitigate rest as soon as feasible
All	Air Operations	~ Follow "Aviation Watch-Out Situations" in IRPG. ~ Don't plan exclusively on air resources for medical transport or resupply. ~Visibility may be impaired. Have a backup plan. ~ Refer to IRPG for directing bucket drops. ~ Ensure positive communication with all air resources. ~ Keep personnel out of drop zones.
All	Firing Operations & Devices	~ Only personnel trained in the use of each device will be authorized to use firing equipment. ~ Ensure all personnel are aware of firing operation that may affect them. ~ Wear appropriate PPE personnel are briefed.
All	Mine Shafts/Hazmat	~ Possible mine shafts in fire area, stay alert ~ Do not approach mine shafts, gets GPS coordinates report to your Divs ~ Follow Hazmat incident operations in your IRPG
All	Underground Powerlines	~ No heavy equipment work over identified power line area(See Map) ~ Flag off and GPS any exposed lines on surface.
All	Thunder Storm Safety	~ Follow Thunder Safety Guidelines in IRPG. ~ Monitor daily weather forecast, plan your day accordingly ~

Ron Garcia SOF2 8/2/17

# INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

<b>1. Incident Name:</b>		<b>2. Date/Time Prepared:</b>		<b>3. Operational Period:</b>						
MINERVA 5		Date: 08/01/2017 Time: 1946		Date/Time From: 08/02/2017 0600 Date/Time To: 08/02/2017 1800						
				DAY      WED						
<b>4. Basic Radio Channel Use:</b>										
Zone Group	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq	RX Tone/NAC	TX Freq	TX Tone/NAC	Mode (A, D, or M)	Remarks
15	1	COMMAND	PNF FIRE ADMIN	ALL DIVS	171.4250N		163.1625N	T6, T8	A	TONE 6 (156.7) TONE 8 (103.5)
15	2	COMMAND	NIFC C2	NOT IN USE	168.1000N		170.4500N	T2 - 123.0	A	FUTURE USE
15	3	COMMAND	NIFC C8	NOT IN USE	169.5375N		164.7125N	T2 - 123.0	A	FUTURE USE
15	4	COMMAND	OPEN						A	FUTURE USE
15	5	TACTICAL	NIFC TAC 2	IA ONLY	168.2000N		168.2000N		A	
15	6	TACTICAL	NIFC TAC 3	DIV A	168.6000N		168.6000N		A	
15	7	TACTICAL	NIFC TAC 5	DIV D	166.7250N		166.7250N		A	
15	8	TACTICAL	NIFC TAC 6	DIV M	166.7750N		166.7750N		A	
15	9	TACTICAL	NIFC TAC 7	DIV O	168.2500N		168.2500N		A	
15	10	TACTICAL	R5 TAC 4	AVAILABLE	166.5500N		166.5500N		A	AVAILABLE
15	11	TACTICAL	R5 TAC 5	DIV N	167.1125N		167.1125N		A	
15	12	TACTICAL	R5 TAC 6	DIV Z	168.2375N		168.2375N		A	
15	13	AIR TO GROUND	A/G TAC	ALL DIVS	169.2875N		169.2875N		A	AIR/GROUND TACTICAL
15	14	AIR TO GROUND	A/G CMD	ALL DIVS	167.5500N		167.5500N		A	AIR/GROUND COMMAND
15	15	MEDICAL	CALCORD	ALL DIVS	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A	MEDEVAC COORDINATION
15	16	AIR GUARD	AIR GUARD	ALL DIVS	168.6250N		168.6250N	T1 - 110.9	A	TONE ON TRANSMIT ONLY - URGENT AIRCRAFT CONTACT
<b>5. Special Instructions:</b>										
LAST CLONE 7-31-17										
<b>6. Prepared By</b>				<b>Signature:</b>						
(Communications Unit Leader)										
Name: TROY VAUGHN				Date/Time: 08/01/2017 1946						
ICS 205				IAP Page						

# MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name			2. Operational Period			
<b>Minerva Fire</b>			Date/Time: <b>8/2/2017 Day 0600-1800</b>			
3. Ambulance Services						
Name	Location	Phone & EMS Frequency	Advanced Life Support (ALS) Yes No			
Plumas District Ambulance	ICP	530 604-6850	X			
4. Air Ambulance Services (COORDINATE with AIR AMBULANCES on CALCORD tone 6)						
Name	Phone	Type of Aircraft & Capability				
CHP H14 or H16 Redding	Plumas County SO (530) 283-6300	ALS and Day Hoist				
Care Flight	Plumas County SO (530) 283-6300	ALS and Night Ops				
Enloe Flight Care	Plumas County SO (530) 283-6300	ALS and Night Ops				
Auburn H20 or H24	Plumas County SO (530) 283-6300	BLS and Day Hoist				
Washoe County Raven	Washoe County SO (775) 785-4228	BLS and Night Hoist				
5. Hospitals						
Name & Level	GPS Datum – WGS 84 Degrees Decimal Minutes	Travel Time Air Gnd		Phone	Helipad Yes No	Address
Renown Medical Center Level Two Trauma Center	Lat: N 39 31 28.7	30	75 Min	(775) 982-4100	<input checked="" type="checkbox"/>	1155 Mill St. Reno NV.
	Long: W 119 47 44.5					
	VHF: Tx Rx					
Enloe Medical Center Level Two Trauma Center	Lat: N 39 44 538	:30	115 Min	(530) 332-7414	<input checked="" type="checkbox"/>	1531 Esplanade Chico Ca. 95926
	Long: W 121 50 949					
	VHF: Tx Rx					
UC Davis Firefighters Burn Inst.	Lat: N 38 33 17.5	:70	3.5 Hrs.	(916) 734-3636	<input checked="" type="checkbox"/>	4251 X St. Sacramento Ca. 95817
	Long: W 121 27 19.6					
Plumas District Hospital	Lat: N 39 56 23.6	:5	25 Min.	(530) 283-2121	<input checked="" type="checkbox"/>	1065 Bucks Lake Rd. Quincy Ca. 95971
	Long: W 120 57 42.0					
	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/Unimproved landing site: Lat: / Long:						
Helispot: Lat: / Long/ Elevation:						
Alternate, no-fly plan:						
7. Remote Aid Stations						
Point of Contact:		MEDL – Kevin Albertson 661 303-9414				
EMS Responders & Capability:						
Equipment Available on Site:		Medical supplies				
Ambulance ETA :		Air – Ground –				
8. Prepared By (Medical Unit Leader)		9. Date/Time		10. Reviewed By (Safety Officer)		11. Date/Time
Kevin Albertson – MEDL 		8/1/2017 2000		Ron Garcia – SOF2 		8/1/17 <sup>2000</sup>

# MEDICAL PLAN (ICS 206 WF)

## Medical Incident Report

**Use items one through nine to communicate situation to communications/dispatch.**

**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 and command structure.*

- **Nature of Injury/illness** *Describe the injury (Ex: Broken leg with bleeding)* \_\_\_\_\_
- **Incident Name** *Geographic Name + "Medical" (Ex: Trout Meadow Medical)* \_\_\_\_\_
- **Incident Commander (Division Sup. or designee)** *Name of IC* \_\_\_\_\_
- **Patient Care** *Name of Care Provider (Ex: EMT Smith)* \_\_\_\_\_

**3. INITIAL PATIENT ASSESSMENT:** *Complete this section for each pt. This is only a brief, initial assessment. Provide additional pt. info after completing this report.*

- **Number of Patients:** \_\_\_\_\_ - **Male / Female:** \_\_\_\_\_ - **Age:** \_\_\_\_\_ - **Weight:** \_\_\_\_\_
- **Conscious?**  YES  NO = MEDEVAC! - **Breathing?**  YES  NO = MEDEVAC!
- **Mechanism of Injury** *What caused the injury?* \_\_\_\_\_
- **Location, Lat/Long** (Datum WGS84) *Ex: N 40° 42.45' x W 123° 03.24'* \_\_\_\_\_

**4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY**

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

**5. TRANSPORT PLAN:**

**Air Transport:** (Agency Aircraft Preferred)

- Helispot
- Short-haul/Hoist
- Life Flight
- Other

**Ground Transport:**

- Self-Extract
- Carry-Out
- Ambulance
- Other

**6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:**

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

**7. COMMUNICATIONS:**

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

**8. EVACUATION LOCATION:**

- **Lat/Long** (Datum WGS84) *EX: N 40 42.45' x W 123 03.24'* \_\_\_\_\_
- **Patient's ETA to Evacuation Location:** \_\_\_\_\_
- **Helispot/Extraction Size and Hazards:** \_\_\_\_\_

**9. CONTINGENCY:** *if primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead...*

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**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.





# Human Resource Message

From  
Your Human Resource Specialists

## Wildland Firefighter Health & Safety Report



### **Work and Fatigue in Wildland Firefighting effects your physical and emotional state!**

Wildland Firefighting is arduous work, performed for long shifts in difficult environmental conditions. The work can be dangerous due to the fire and working conditions. Heat, smoke, rolling rocks, falling snags, and other hazards threaten the worker. Fatigue can impair performance and decision making, increasing the risk of injury. Prolonged exposure to fatigue, stress, smoke, and poor nutrition has the potential to increase the incidence of upper respiratory illness, but also mental lapses.

The stress response is necessary to prepare an athlete, firefighter or soldier for a maximal effort in a physical challenge, but it can be unhealthy if it occurs too often in the wrong setting.

### **Definitions:**

**Fatigue**—A sense of tiredness, either mental or physical, brought on by stress (lack of sleep, physical work, nutritional inadequacies, or mental stresses). Fatigue following work or sleep deprivation is a normal state and can be reversed with adequate recovery or rest.

**Accumulated (Chronic) Fatigue**—Fatigue from which normal rest does not produce recovery. Accumulated fatigue is often caused by extended periods of stress with inadequate recovery periods, resulting in decreased productivity, compromised immune function, and reduced alertness.

Fatigued workers perform poorly and behave carelessly, tolerate greater errors, and become inattentive. They display decreased motivation, increased irritability and depression, and low morale. Accumulated fatigue is more persistent, producing a wider array of effects on performance, health, and morale than ordinary fatigue. Accumulated fatigue requires longer recovery periods than ordinary fatigue.

**Correct Nutrition, Hydration and Rest are good coping mechanisms for stress and fatigue. Make use of your down time and rest per the work/rest guidelines.**

## **Your Mental Health Matters!**

## QR Codes



**Weather Observations**














**Minerva 5 LAP Map**

UNIT LOG		1. Incident Name Minerva	2. Date Prepared	3. Time Prepared
4. Unit Name/Designators		5. Unit Leader (Name and Position)		6. Operational Period
7. Roster of Assigned Personnel				
Name		ICS Position		Home Base
8. Activity Log				
Time		Major Events		
9. Prepared by (Name and Position)				



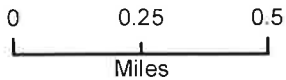
**IAP**  
**Minerva 5**  
**CA-PNF-001043**  
**8/2/2017**  
**Day**  
**NAD83**

**Legend**

-  Drop Point
-  Helispot
-  Mobile Weather Unit
-  Retardant/Mud Pit
-  Spot Fire
-  Division
-  Uncontrolled Fire Edge
-  Completed Dozer Line
-  Completed Line
-  Mine\_Hazard
-  Buried\_PowerLine



<https://lmyurl.com/minerva5-OperationsMap>



1 my  
 August 1  
 2330 Hours

