

MINERVA 5 FIRE

NIGHT SHIFT 0600 - 1800



Minerva 5 CA-PNF-001043

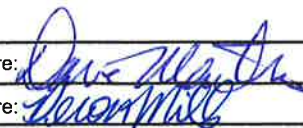

AUGUST 7, 2017

CA-PNF-001043

P5K8GR (0511)



INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:		2. Operational Period: NIGHT	
MINERVA 5		Date/Time From: 08/07/2017 1800 MON	Date/Time To: 08/08/2017 0600 TUE
3. Objective(s): <ul style="list-style-type: none"> • Ensure firefighter and public safety by using strategies and tactics that mitigate known and anticipated hazards while providing for the highest probability of success • Provide accurate and timely fire information through interagency and public coordination • Protect cultural values and natural resources in the fire area • Implement fire Suppression Repair Plan guidelines • 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"> • South and East of Forest Road 24N20 • West of Forest Road 24N73 • North of Forest Road 24N26 			
4. Operational Period Command Emphasis:			
General Situational Awareness:			
5. Site Safety Plan Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
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 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 type="checkbox"/> ICS 220 <input checked="" type="checkbox"/> Map/Chart <input checked="" type="checkbox"/> Weather Forecast/Tides/Currents	Other Attachments: <input checked="" type="checkbox"/> 215A <input checked="" type="checkbox"/> TRAINING MESSAGE <input checked="" type="checkbox"/> 214	
7. Prepared by: COLSON / MARTIN		Position/Title: PSC2	
8. Approved by Incident Commander:		Signature: 	
Name: MILLS / STRAWHUN / GRIFFIN (T)		Signature: 	
ICS 202		Date/Time: 08/07/2017 1030	
IAP Page			

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:		2. Operational Period: NIGHT	
MINERVA 5		Date/Time From: 08/07/2017 1800 MON	Date/Time To: 08/08/2017 0600 TUE
3. Incident Commander(s) and Command Staff:		6. Logistics Section:	
INCIDENT COMMANDER	DERON MILLS STEVEN GRIFFIN (T)	CHIEF	AARON DUNCAN MARK RATEKIN (T)
DEPUTY	MICHAEL STRAWHUN	SUPPLY UNIT	DAVID GERSTUNG
SAFETY OFFICER	ROLAND GARCIA GREG MARFIL (T)	FACILITIES UNIT	MATT WIGGINS TIM CRISP (T)
INFORMATION OFFICER	MICHELLE CARONARO CHERYL CHIPMAN	GROUND SUPPORT UNIT	VERN SMITH LARRY AMERJAN
LIAISON OFFICER	DAVID COOPER ALLEN JOHNSON	COMMUNICATIONS UNIT	JOSEPH MEHCIZ TROY VAUGHN (T)
4. Agency/Organization Representative(s):		MEDICAL UNIT	KEVIN ALBERTSON DEVIN LAWRENCE DAVID MAZAIKA (T)
Agency/Organization	Name	SECURITY UNIT	FERNANDO GOMEZ MATTHEW WILKEN
USFS PNF AA	DANIEL LOVATO	FOOD UNIT	MIKE CHAPMAN
CAL FIRE LMU AA	LANE CALDWELL	7. Operations Section:	
PLUMAS SHERIFF	NICK DAWSON	NIGHT OPS	STEVE WATKINS
QUINCY PFD	ROBBIE CASSOU	DAY OPS	JEFFREY HINSON
CHESTER FPD	JOE WATERMAN	PLANNING OPS	CLINT GOULD
CAL OES	KEN HOOD		
CDCR	TAMMY MAINE	DIVISION/GROUP	A / D / M DALE SHIPPELHOUTE
PACIFIC GAS & ELECTRIC	ROB CONE	DIVISION/GROUP	N / O / Z JORDAN TOWNSEND
		7b. Air Operations Branch:	
5. Planning Section:		AIR OPS BRANCH DIRECTOR	ROBERT DELMAS KERRY KOSKELA
CHIEF	ARTIE COLSON	AIR SUPPORT SUPERVISOR	ROBERT REECE BLAINE COYLE (T)
DEPUTY	DAVE MARTIN	HELICOPTER COORDINATOR	RAY BLACKBURN
RESOURCES UNIT	JESSE SCHULTZ ANSLEY SINGER (T)	8. Finance/Administration Section:	
SITUATION UNIT	MARK LEMON; ROBERT VERDIE DEREK PARKER (T)	CHIEF	JOAN DISNEY
DEMOBILIZATION UNIT	JULIE ROBERTS	TIME UNIT	TIFFANIE SACHE-SANITI
FIRE BEHAVIOR ANALYST	TARO PUSINA	COMPENSATION UNIT	BENJAMIN CAZIER
TRAINING SPECIALIST	DEREK PARKER		
GIS SPECIALIST	LARRY VREDEBURGH DIANE SAVIN-DUKLETH STEPHEN LLOYD		
TECHNOLOGY SUPPORT SPECIALIST	RON WATSON RICK OSUNA		
INCIDENT METEOROLOGIST	JASON CLAPP		
RESOURCE ADVISOR	COURTNEY ROWE		
HUMAN RESOURCE SPECIALIST	FRANCES LINDQUIST		
DOCUMENTATION UNIT	REX CRABTREE		
9. Prepared By:		Position/Title: RESL	Signature:
ICS 203	Name: ANSLEY SINGER	Date/Time: 08/07/2017 1025	
	IAP Page		



Minerva 5 Incident Weather Forecast



FORECAST NO: 15

NAME OF FIRE: Minerva 5

PREDICTION FOR: Night 1800 - 0600
SHIFT DATE: Mon-Tue, Aug 7-8, 2017

UNIT: CA-PNF
SIGNED: Jason Clapp

Forecast Info

TIME AND DATE

FORECAST ISSUED: 1000 Mon 8/7/17

Incident Meteorologist
Jason Clapp – 240-778-5296 (call/text)

*** Outflow Winds Possible from Distant Storms ***

Weather Discussion: Isolated to scattered afternoon thunderstorms continue today and Wednesday over northeast CA as the upper level disturbance remains over region. Some cloudiness over fire into evening with thunderstorm activity from N through E may remain approximately 10+ miles away, but outflow winds can still impact fire area late afternoon and early evening. Ridge winds will shift more easterly overnight the next couple nights.

WEATHER FORECAST for Tonight:

	Ridgetops / Upper Slope (6K ft)	Valleys / Lower Slopes (4K ft)
Weather	Partly cloudy with eroding t-storms and clearing overnight. Potential outflows from distant storms	
Lows	60 – 65 (<i>little change</i>)	57 – 62 (<i>little change</i>)
Max RH	50 – 60% (<i>little change</i>)	70 – 80% (<i>little change</i>)
20 ft Winds	SW 8 mph gusting 15-18 mph After 2100, N-NE 4-5 G10 mph (possibly earlier evening w/ outflows)	Becoming light downslope After 2100, downcanyon 2-3 mph with gusts 7 mph

Thermal belts: 35 – 45%

Inversion: Weak..setting up after 2200

WEATHER FORECAST for Tuesday (8/8): Erratic Outflows from nearby showers/storms

	Ridgetops / Upper Slope (6K ft)	Valleys / Lower Slopes (4K ft)
Weather	Partly cloudy with afternoon cumulus buildups Isolated thunderstorms afternoon/early evening...storms mainly north through east	
Highs	76 – 80 (<i>up 1 – 2</i>)	84 – 88 (<i>up 1 – 2</i>)
Min RH	30 – 36% (<i>little change</i>)	25 – 30% (<i>little change</i>)
20 ft Winds	NE 4 mph gusting to 9 mph. After 1100, SW 7-9 mph G14-18 mph	Light upslope. After 1100, upcanyon/cross-slope 4 mph G8 mph

Inversion: Lifting by 1200

OUTLOOK for Wednesday (8/9): Erratic Outflows from nearby showers/storms

Weather	Partly cloudy with afternoon cumulus buildups 20% chance isolated thunderstorms afternoon/evening	
Highs/Lows	Ridges: 76 – 80...Valleys: 84 – 88	Lows 55 – 65
Min/Max RH	Min: 25 – 30%	Max: 50-55% ridges, 70-80% valleys
20 ft Winds	Upslope winds 2-4 mph becoming upcanyon 5 mph with afternoon gusts 8 mph. Ridges: Varying SE-NE 4 mph G7...then SW afternoon 7-10 gusting 16 mph.	

Inversion: Lifting by 1200

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 16	TYPE OF FIRE: Wildfire
FIRE NAME: Minerva 5	OPERATIONAL PERIOD: Night 1800 - 0600 , 8/7 - 8/8, 2017
DATE ISSUED: Aug. 7, 2017	TIME ISSUED: 1030
UNIT: Plumas NF, Mt. Hough Ranger District	SIGNED: /s/ <i>Taro Pusina</i> Taro Pusina , FBAN

INPUTS

WEATHER SUMMARY

See IMET Weather Forecast

Discussion:

Isolated light showers and thunderstorm activity to continue during the day through Wednesday. Ridge winds expected to shift more easterly overnight for the next couple of nights.

Weather: Partly cloudy with diminishing thunderstorm potential. Clearing expected overnight.

Min Temp: Lower slopes: 57 - 62°, Ridges/upper slopes: 60 - 65°

Max RH: Lower slopes: 70 - 80%, Ridges/upper slopes: 50 - 60%

20' Winds: Lower slopes: Becoming light/downslope; 2 - 3 mph, gusts to 7 mph after 2100. Ridges/upper slopes: SW 8 mph, gusts 15 - 18 mph, becoming N/NE 4 - 5 mph, gusts to 10 mph after 2100.

***** Watch for Gusty and Erratic Winds near Thunder Cells*****

FIRE BEHAVIOR

GENERAL:

*****Quincy Burning Index is 38 and Energy Release Component is 58*****

Active fire behavior can be expected throughout the night in unburned islands of vegetation near the fireline.

- **Fuels:** A wet winter caused abundant new vegetation growth and there is heavy surface fuel loading. Live and dead mixed conifer and brush vegetation are very dry - 1000 hr. logs are near 10% and live brush is near 100% fuel moisture content. Dense timber, brush and ladder fuels provide an avenue for crownfire initiation.
- **Weather:** Generally, persistent hot and mostly dry weather in addition to an unstable atmosphere and moderate to strong local diurnal winds are conducive for rapid fire spread and intense fire behavior.
- **Topography:** Steep topography - to 100% slope with deep drainages - can channel upslope/updrainage winds during the heat of the day from 1100 - 1900. The elevation range is 3700' - 7000' and all aspects are represented.

SPECIFIC FIRE BEHAVIOR:

- Unburned interior islands expected to continue to burn themselves out with mostly low fire behavior due to cool temps and good RH recovery. Expected fire behavior includes mostly smoldering, creeping and flaming with occasional single and group tree torching possible. Spotting distances could reach ¼ mi. with < 50% probability of ignition. Potential timber headfire flame lengths 1 - 3' with max rate of spread 2 - 6 chains per hour. Expected brush headfire flame lengths are 3' - 5' with rates of spread of 4 - 8 ch/hr. Reduce these numbers roughly in half for flanking and backing fire spread.

DIV's A, D: Majority of DIV's A and D showing very little heat near the line. Watch for smoldering stumpholes.

DIV's M, N: Unburned islands expected to continue burning themselves out with flareup potential that could threaten the line tonight. This is most likely if aerial ignition occurred today and/or under downslope/downcanyon nighttime winds.

DIV's O, Z: Some lingering/scattered heat remains interior that could flareup and threaten the line in DIV N. N/NE winds forecasted after 2100 could push heat across the line in DIV Z.

AVIATION

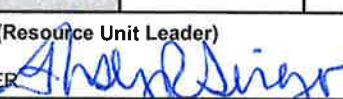
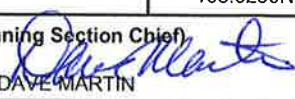
- Weak inversion expected, setting up after 2200.
- Sunset 8/7: 2010 hrs. Sunrise 8/8: 0610 hrs.

SAFETY

Look up, look down, look around. Size up your work area, fire behavior related hazards include:

- Fire weakened green and dead trees/snags can easily fall with little to no warning
- Hot, seemingly benign stumpholes can cause significant burn injuries

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
MINERVA 5			Branch:		Division/Group:	
2. Operational Period: NIGHT			A / D / M			
Date/Time From: 08/07/2017 1800 MON		Date/Time To: 08/08/2017 0600 TUE				
4. Operations Personnel						
NIGHT OPS STEVE WATKINS		PLANNING OPS CLINT GOULD				
DIVISION/GROUP SUPERVISOR DALE SHIPPELHOUTE						
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
CREW - T2IA - PENNSYLVANIA 05		08/17	FRANCIS N CHADICK	20	ICP/1800	ICP/0600
CREW - T2 - MILLER TIMBER (C-32)		08/17	MIKE CAMPANNA	20	ICP/1800	ICP/0600
CREW - T2 - TOM FERY FARM (C-44)		08/17	GLENN SEGAL	20	ICP/1800	ICP/0600
ENG - T3 - S/T OES 2870C		08/13	DONALD LINNEMAN	22	ICP/1800	ICP/0600
SOFR		08/16	JAMES WETTSTAED	1	ICP/1800	ICP/0600
MEDIC		08/18	JUSTIN RIVERA	1	ICP/1800	ICP/0600
MEDIC		08/18	JON BENSELY	1	ICP/1800	ICP/0600
6. Control Operations/Work Assignments:						
Patrol and mop up any threats to the line.						
7. Special Instructions:						
Ensure LCES is in place before engaging. Backhaul excess supplies and trash. GPS all lines and turn into Situation unit. Red/Black flagging denotes areas of special concern to be avoided. If found contact DIVS and avoid the area.						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND PRI	3 NIFC C8	169.5375N		164.7125N	T2 - 123.0	A
COMMAND BACKUP	2 NIFC C2	168.1000N		170.4500N	T2 - 123.0	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 AIR GUARD	168.6250N		168.6250N	110.9	A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
ANSLEY SINGER 			ARTIE COLSON/DAVE MARTIN 		08/07/2017	1020

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:		3.				
MINERVA 5		Branch:		Division/Group:		
2. Operational Period:		N / O / Z				
NIGHT						
Date/Time From: 08/07/2017 1800 MON	Date/Time To: 08/08/2017 0600 TUE					
4. Operations Personnel						
NIGHT OPS	STEVE WATKINS	PLANNING OPS	CLINT GOULD			
DIVISION/GROUP SUPERVISOR	JORDAN TOWNSEND					
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
CREW - T2IA - PENNSYLVANIA 06	08/17	DONALD WEIS	20	ICP/1800	ICP/0600	
CREW - T2 - INBOUND (C-33)	08/17	JERRY CARGIL	20	ICP/1800	ICP/0600	
ENG - T3 - KNP 72	08/17	CRISTIAN LOPEZ	5	ICP/1800	ICP/0600	
ENG - T6 - RIDGELINE (E-169)	08/17	MICHAEL ANDERSON	3	ICP/1800	ICP/0600	
ENG - T6 - DOUBLE D (E-198)	08/18	DUANE DEARBORN		ICP/1800	ICP/0600	
ENG - T6 - NMS 51	08/18	JOHN A BLACKMON	3	ICP/1800	ICP/0600	
ENG - T6 - NMS 31	08/18	EVAN GRAIN	4	ICP/1800	ICP/0600	
SOFR	08/15	NICHOLAS MARTINO	1	ICP/1800	ICP/0600	
SOFR (T)	08/15	MICHAEL ZIMMERMAN (T)	1	ICP/1800	ICP/0600	
MEDIC	08/17	SPENCER JOHNSON	1	ICP/1800	ICP/0600	
FEMT	08/17	AUTUMN HOFFMAN	1	ICP/1800	ICP/0600	
6. Control Operations/Work Assignments:						
Patrol and mop up any threats to the line.						
7. Special Instructions:						
Ensure LCES is in place before engaging. Backhaul excess supplies and trash. GPS all lines and turn into Situation Unit. Red/Black flagging denotes areas of special concern to be avoided. If found contact DIVS and avoid the area.						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	2 NIFC C2	168.1000N		170.4500N	T2 - 123.0	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 AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A
9. Prepared By (Resource Unit Leader)		Approved By (Planning Section Chief)		Date	Time	
ANSLEY SINGER		ARTIE COLSON/DAVE MARTIN		08/07/2017	1020	

HEALTH AND SAFETY MESSAGE

SAFETY starts with ***YOU***

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

Date: August 7/8, 2017

INCIDENT: **Minerva 5**

Day/Night Operations

Major Hazards and Risks:

- ❖ **DRIVING:** At the Mill Creek Rd. and Lee Rd. intersection cross-traffic does not stop. Keep it **SLOW** in camp and in town.
- ❖ **MOP-UP:** Maintain 8'-10' spacing when working and walking.
- ❖ **Heavy Equipment Operations:** Follow mitigation strategies on Incident Safety Analysis (ICS-215a).
- ❖ **ABANDONED MINES:** Vertical shafts may be hundreds of feet deep, and hidden by vegetation. Horizontal openings may seem sturdy, but cave in is a real danger. Lethal concentrations of deadly gases can accumulate in underground passages.

AFTER ACTION REVIEWS (AAR)

- Must be open, and honestly discuss what happened.
- Provide enough clarity and detail so everyone understands what happened, and why.
- Participants should want to improve their proficiency.
- All AAR's should end on a positive note.

Want more information????.....Review page xii in your IRPG.....and do one today!!!

Mop-up

- Maintain 8'-10' spacing when working.
- Keep 2 tree lengths distance from falling operations.
- Watch-out where you take breaks.
- Wear all PPE, especially eye & ear protection.
- Don't reach with tools or use chainsaws above your head.



WHAT CAN YOU THINK OF????

Thanks from your Safety Team!!

Ron Garcia SOF2

Greg Marfil SOF2(T)

HAZARD TREES



The BASICS of Hazard Tree Indicators

- ✓ Trees have been burning for any period of time.
- ✓ High risk tree species (rot and shallow root systems).
- ✓ Numerous downed trees.
- ✓ Dead and broken tops and limbs overhead.
- ✓ Accumulation of downed limbs.
- ✓ Absence of needles, bark and limbs.
- ✓ Leaning or hung up trees.

Check out your IRPG pages 22-23 for more on Hazard Trees.

**** While you are at it, Check IRPG pg. 79 on Procedural Chain Saw Operations!!!**

Always use the ***"RISK MANAGEMENT PROCESS"*** in your decision making.....IRPG page 1.....keep your head in the game!!

USDA Forest Service Pacific Southwest Region

Safety Bulletin

Stop Think Talk before Acting (STTA)

* Transportation:

- Tired, drowsy – but still going from point to point.
 - How many miles have we driven this year so far?
 - How many road shoulders have I driven on?
 - How often have I almost driven onto or over the center line?
 - Is this normal?
 - Or are we/I just tired from the long hours and the long season?
 - I bet we don't think about these weak signals. Bet we don't even talk about them anymore!

* Fatigue:

- Ten plus hour days or longer for weeks on end w/o much of a break,
 - When is the last time you had two days off w/o anything to do but rest?
 - Fatigue is cumulative and gets worse over time!
 - It is exasperated by:
 - Hot, dry or humid, windy days
 - Back to back fire assignments w/o a break or a short one
 - Not taking days off (14-2) or (21-2 for rare occasion extensions) Interagency policy, but is it enough?
 - Are you really recharged with one/two days off? Any must do's at home?
 - Lack of sleep
 - Not adhering to 2:1 work rest policy (Our body needs 8 hours of REST per day!)
 - Dehydration and poor nutrition
- We've all heard that but the season isn't over and we have jobs to do (IA, Extended Attack, mop-up, patrol and get ready for the next call.
- Is it normal to have fatigue this time of year? Have you seen more slips, trips and falls?

*Have we done it enough where it's now normal? Repetition can make it normal!

*So now What?

- Let's take care of ourselves and each other and assure we are adhering to work rest guidelines. If you see, hear or feel something that makes you uncomfortable (hazard, risky situation, unsafe situation, weak signals, etc.), speak up.
- Here is what I'd like you to do:
 - **STOP** for a minute or two
 - **THINK** about what's bothering you (what and why)
 - **TALK** it over with your partner, crew and/or supervisor
 - When it makes sense and concerns have been mitigated, **ACT** and do the job, task, etc.

*Is talking about something that bothers you easy? Sometimes, sometimes not. Try and break down that barrier that keeps you from speaking up; build that relationship, trust and take care of each other.

/s/ Risk Management and Safety

INCIDENT SAFETY ANALYSIS 215a

Minerva 5 - Sunday, August 06, 2017

8. Location	9. Hazard	6. Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc)
All	Air Operations	<ul style="list-style-type: none"> ~ Only allow mission critical flights. ~ Follow " Aviation Watch-Out Situations" on page 44, IRPG. ~ Don't plan on air resources for medical transport or resupply. ~ Refer to page 57, IRPG for directing bucket drops. ~ Ensure positive communication with all air resources.
All	Steep Terrain & Rolling Debris	<ul style="list-style-type: none"> ~ Maintain 8'-10' spacing when working & walking. ~ Don't work above any personnel. ~ Be on the lookout for rolling rocks, debris, or burning material. ~ Evaluate necessity to send personnel in areas with limited access. ~ Post lookouts (IRPG pg 7).
All	Driving & Traffic	<ul style="list-style-type: none"> ~ Practice "Defensive Driving" techniques traveling on all roads and city streets. ~ Use spotters and honk horn when backing. ~ Keep clutter off dash and inside cab, and clean windshields. ~ Follow Driving LCES (Lights, Chock blocks, Emergency brake, Seat belts. ~ Always use headlights and obey posted speed limits. ~ Use the 3 second rule for following distance. ~ Use chock blocks, turn wheels into hill. ~ Avoid distractions (eating, cell phones, radio).
All	Hazard Trees	<ul style="list-style-type: none"> ~ Follow "Hazard Tree Safety" guidelines, IRPG pages 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. ~ Remember that the hazard zone extends a minimum of 2 1/2 tree heights. ~ Post road guards when appropriate.
All	Chippers	<ul style="list-style-type: none"> ~ Ensure all employees are briefed on safe work practices and required PPE. ~ Ensure that a JHA is prepared, read, and signed by everyone using the chipper. ~ Always's follow the manufacturer's recommendations for machine safety, operation, and maintenance. ~ Make sure all manufacturer's safety devices and guards are in place, functional and are checked daily. ~ Check material fed into chippers for embedded rocks before the material is placed into the hopper.
All	Fatigue & Over Exertion	<ul style="list-style-type: none"> ~ Drink 1 quart of water each hour during and after work. ~ Rotate crews out of smoky areas. ~ Set a reasonable work pace and allow adequate rest breaks while on the project. ~ Stagger work crews start time to limit fatigue. ~ Use buddy system to monitor personnel of heat related and fatigue issues. ~ Follow work / rest guidelines.
All	Mine Shafts/Hazmat	<ul style="list-style-type: none"> ~ Possible mine shafts in the fire area, stay alert. ~ Do not approach mine shafts, get the Lat/Long and give to your Division Supervisor. ~ Follow "HAZMAT Incident Operations" on pages 34-36 in IRPG.
All	Thunderstorm Safety	<ul style="list-style-type: none"> ~ Follow thunder safety guidelines, IRPG page 21. ~ Monitor daily weather forecast, and plan your day accordingly.
All	Heavy Equipment Operations	<ul style="list-style-type: none"> ~ Ensure communications are established with operators. ~ Use hand signals if other communications are unavailable. ~ Maintain a 50'-100' exclusion area around equipment and increase it to 1 1/2 times tree height when in timber. ~ Use a spotter when backing. ~ Avoid working below heavy equipment.
All	Underground Powerlines	<ul style="list-style-type: none"> ~ No heavy equipment work over identified buried power line areas (See Map). ~ Flag off and GPS any exposed line(s) on the surface.


Ron Ann Sore

Chris H. Stahl


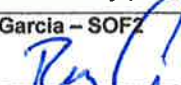
INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1. Incident Name: MINERVA 5	2. Date/Time Prepared: Date: 08/07/2017 Time: 0814	3. Operational Period: Date/Time From: 08/07/2017 1800 Date/Time To: 08/08/2017 0600 MON TUE
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4. Basic Radio Channel Use:											
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	BACK UP	171.4250N		163.1625N		A	ZONE 6 (156.7) ZONE 8 (103.5)	
15	2	COMMAND	NIFC C2	ALL DIVS	168.1000N		170.4500N	T2 - 123.0	A	LOCATED ON MT HOUGH	
15	3	COMMAND	NIFC C8	DIV A/D	169.5375N		164.7125N	T2 - 123.0	A	LOCATED OFF SILVER LAKE RD	
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	AVAILABLE	168.6000N		168.6000N		A	REQUEST THROUGH OPS	
15	7	TACTICAL	NIFC TAC 5	DIV A/D/M	166.7250N		166.7250N		A		
15	8	TACTICAL	NIFC TAC 6	AVAILABLE	166.7750N		166.7750N		A	REQUEST THROUGH OPS	
15	9	TACTICAL	NIFC TAC 7	DIV N/O/Z	168.2500N		168.2500N		A		
15	10	TACTICAL	TAC 8	AVAILABLE	171.1125N		171.1125N		A	REQUEST THROUGH OPS	
15	11	TACTICAL	TAC 9	AVAILABLE	164.7500N		164.7500N		A	REQUEST THROUGH OPS	
15	12	TACTICAL	NIFC TAC 1	AVAILABLE	168.0500N		168.0500N		A	REQUEST THROUGH OPS	
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	ZONE ON TRANSMIT ONLY - URGENT AIRCRAFT CONTACT	

5. Special Instructions: LAST CLONE 8-4-17	
6. Prepared By (Communications Unit Leader)	Name: TROY VAUGHN, JOE MEHCIZ
ICS 205	Signature:  Date/Time: 08/07/2017 0814

MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name			2. Operational Period				
Minerva Fire			Date/Time: 8/7/2017 Night 1800-0600				
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 – Devin Lawrence 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
Devin Lawrence – MEDL 			8/6/2017 1000		Ron Garcia – SOF2 		SOF2 8/7/17

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"/> URGENT-RED <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 IMMEDIATE.
<input type="checkbox"/> PRIORITY-YELLOW <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 DELAYED.
<input type="checkbox"/> ROUTINE-GREEN Not a life threatening injury or illness. <i>Ex: Sprains, strains, minor heat-related illness.</i>	Non-Emergency. Evacuation considered Route of Convenience.

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...*

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

Now that some of us as getting ready to DEMOB her are THINGS TO REMEMBER WHEN YOU RETURN TO YOUR HOME

1. Flush the toilet.
2. Pay for your meals when you eat out.
3. Don't throw away your plate and silverware.
4. Don't try to zip up your bed.
5. Don't slam the bathroom door.
6. Don't wear a yellow shirt to work.
7. It's okay to take food to bed.
8. Don't go to the bathroom on your front lawn.
9. You don't have to check in to go to work.
10. Remember, you can stand up to get dressed.

Have a safe trip home!

Fran Lindquist
HRSP

2. A woman walks into a restaurant and asks the man behind the counter for a glass of water. The man pulls out a big hairy spider and tosses it toward the lady. A few minutes later the woman thanks the man and walks out of the restaurant. Why?

Because she had the hiccups.

TRAINING SPECIALIST MESSAGE

**IF YOU ARE A TRAINEE PLEASE STOP BY
THE TRAINING OFFICE LOCATED AT THE
ICP**

**WE HAVE ALL THE TRAINING FORMS
AND EVALUATIONS YOU WILL NEED FOR
A SUCCESSFUL TRAINING EXPERIENCE**

**THANK YOU
DEREK PARKER, TNSP**

Suppression Damage Repair Summary from Suppression Repair Plan

Do not cover direct fire line without OPS approval

resources assigned to repair need to read full repair plan; copies available from READs, @ am briefing, & in Clerical

Critical Guidelines

Sensitive Sites are marked with red and black striped flagging. Do not repair these areas.

Claremont Peak to East Peak OHV trail system has additional repair guidelines; see repair plan and confer with READ before commencing repairs.

Water bars for Fire line

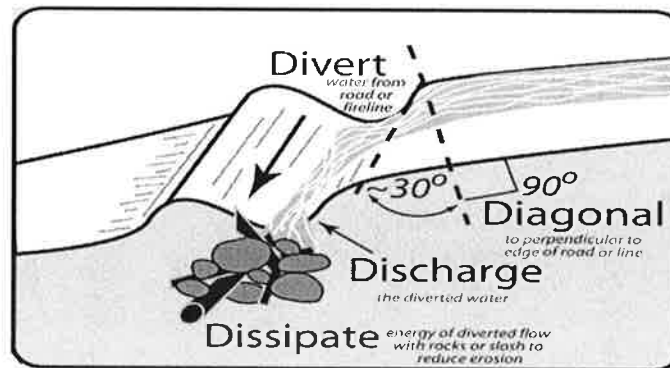
- **SPACING GUIDELINES:** if slopes are too steep for safe implementation, then water bars should not be constructed.

Fire line Gradient (% slope)	Distance Between Water bars (feet)
1-5	200
6-20	125
21-40	60
41-60	40
>60	25

- **DEPTH AND WIDTH:** Water bars need to be cut into surface, do not simply push up soil.

Line Type	Depth	Width
Dozer	6 inches	18-24 inches
Hand	4 inches	8-12 inches

- **MINIMUM LENGTH:** Water bars need to extent at least 3 feet beyond the fireline. Drain into unburned vegetation or rocks, where feasible. Be sure soil does not block outlet.



Berms: Pull berms back onto firelines. Avoid channeling water.

Brush / stash piles:

- break up piles and scatter over line or dozer-widened areas
- along roadsides, trails and among structures, brush will be chipped & spread (do not exceed 6")

Roads:

- Grade and water roads rutted, wash-boarded or powdered out during suppression.
- Road sides widened by dozers should be graded to natural grade & covered with stash (>50%). Do not side cast into drainages.
- Where directed, close all roads opened during suppression.

Areas where fire line intersects roads / trails:

- install barriers (e.g. logs, rocks, stacked stash) & cover with stash (>50%) sufficient to prevent vehicle access (~100 feet long).
- See additional requirements for Claremont Peak area.

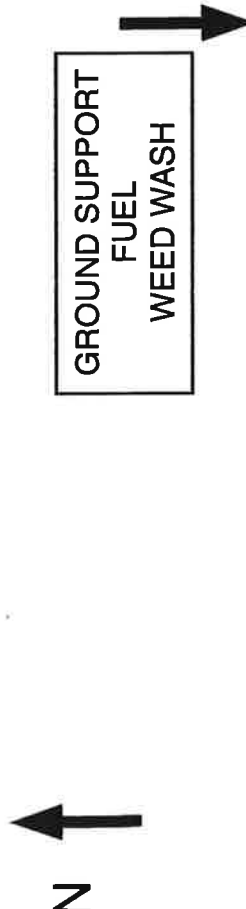
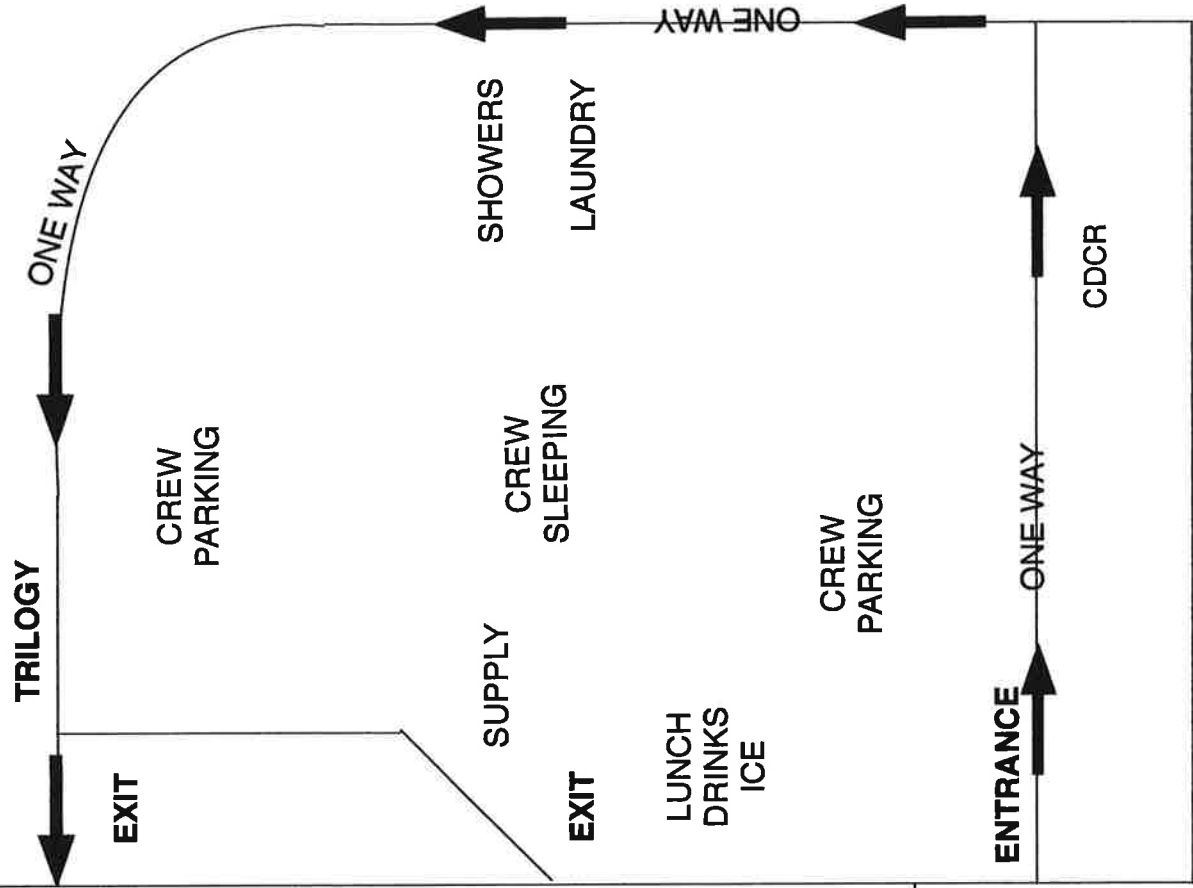
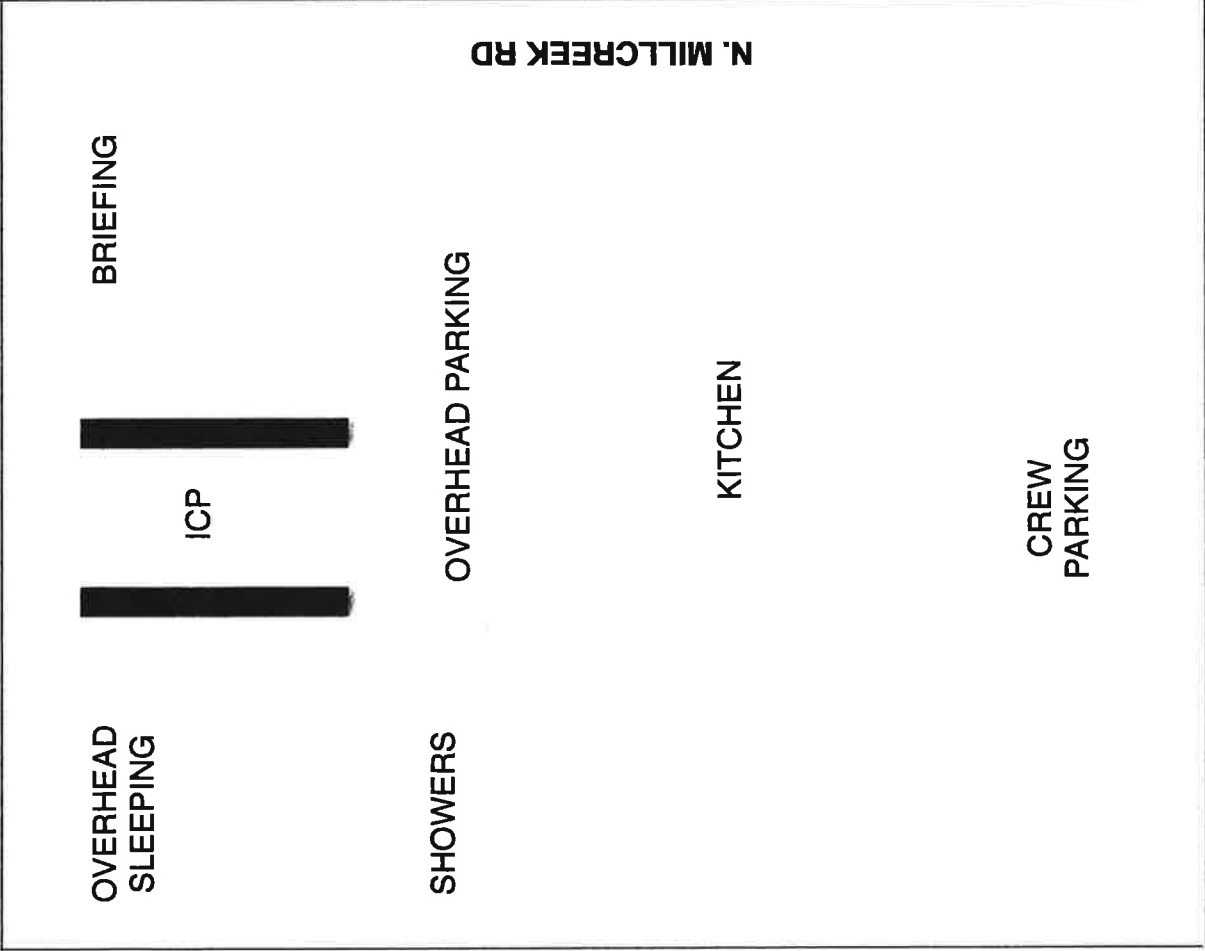
Drafting Sites: Remove any dams, dikes, or other impoundments created during suppression. Repair to condition resembling pre-suppression use.

Helispots, Safety Zone, Spike Camp, and Staging Areas: Repair to standard similar to fireline repair (remove berms; disperse slash; install barriers, where appropriate, place water bars, where appropriate).

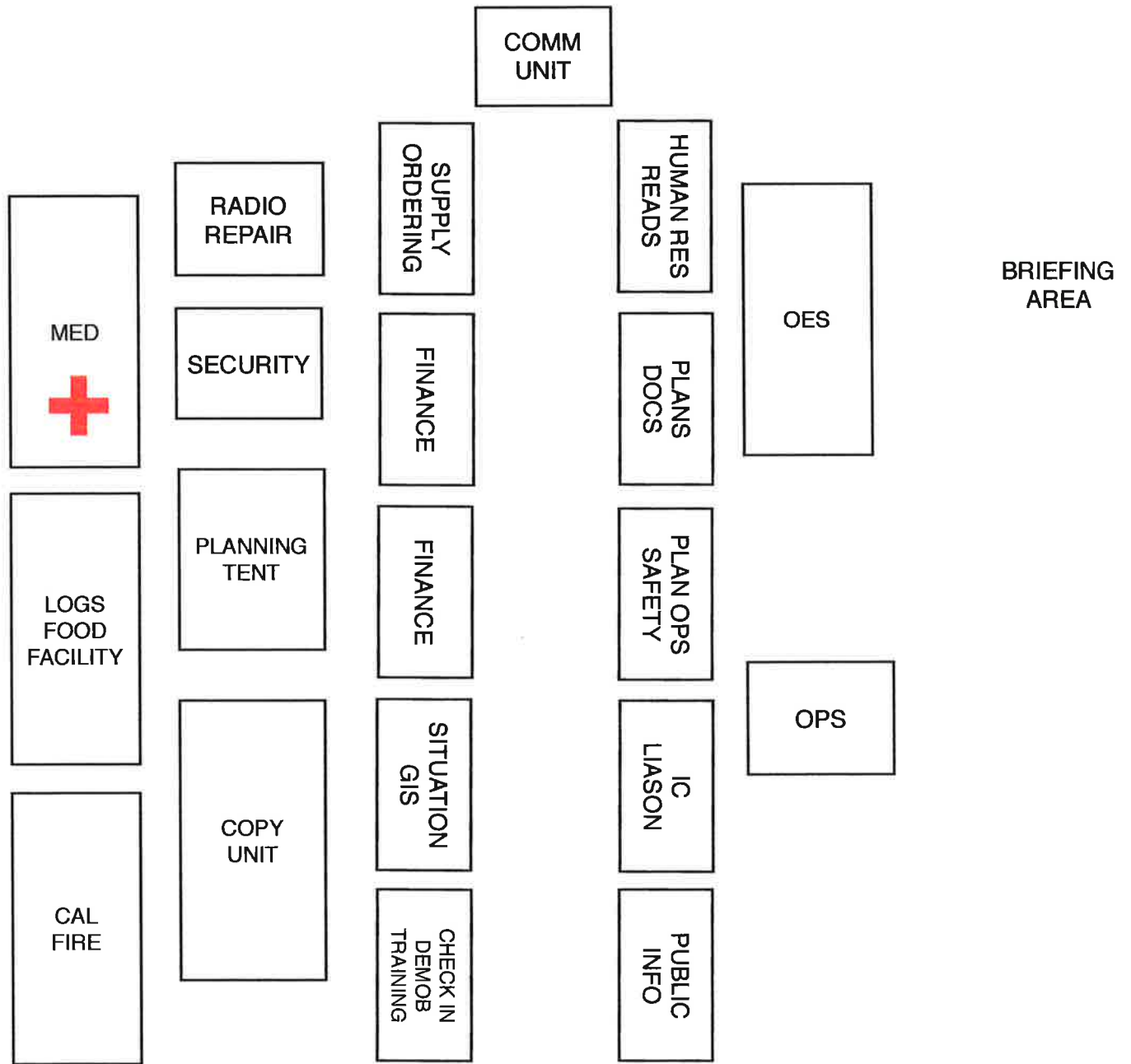
Back Haul: remove all trash, supplies and equipment used in suppression, except where directed to keep in place in turnback standards

MINERVA 5 BASE CAMP
 BREAKFAST: 0500-1000
 DINNER: 1700 - 2200
 SHOWERS: 0500 - 2300
 LAUNDRY: 0600 - 2200

SLEEPER UNITS



ICP MAP



Demobilization Process

1. Check Tentative Demob List posted in IAP and at Demob Unit.
2. Go to Demob Unit at appointed time.
3. Obtain ICS-221 – Demobilization Checkout Form from Demob Unit.
4. Proceed to Supply, Communications, Facilities, Documentation, Time, and Demob.
5. Demob will collect your ICS-221 and give you a “Weed Wash Confirmation Ticket”.
6. Take this ticket to the staging area and let the Staging Area Manager know you are there.
7. Ground Support Unit Leader will call the Staging Area Manager and ask for the next resource to report to Ground Support for vehicle inspection and weed wash.
8. Proceed to Ground Support and present “Weed Wash Confirmation Ticket” to the Weed Wash Attendant.
9. After completing the vehicle inspection and weed wash the Weed Wash Attendant will call Demob Unit Leader confirming resource has completed the Demob process.
10. Demob Unit Leader will then release the resource in the system.
11. The resource is then ready to return home or proceed to next assignment.

NOTE: Failure to go through weed wash will result in a call to your Agency Administrator or Regional Contracting Officer.

QR Codes



Weather Observations



Minerva 5 IAP Map



Minerva Fire Ops Map



Minerva Fire Briefing Map



Minerva Fire Planning Map

