

MINERVA 5 FIRE



NIGHT SHIFT 1800 – 0600

AUGUST 2, 2017

CA-PNF-001043

P5K8GR (0511)




Minerva 5 CA-PNF-001043

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:		2. Operational Period: NIGHT	
MINERVA 5		Date/Time From: 08/02/2017 1800 WED	Date/Time To: 08/03/2017 0600 THU
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 • 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 _____ <input type="checkbox"/> _____	
7. Prepared by: COLSON / MARTIN Position/Title: PSC2		Signature: <i>Artie Colson</i>	
8. Approved by Incident Commander:		Name: MILLS/STRAWHUN/GRIFFIN(T) Signature: <i>Steve Griffin</i>	
ICS 202 IAP Page		Date/Time: 08/02/2017 1400	

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:		2. Operational Period: NIGHT	
MINERVA 5		Date/Time From: 08/02/2017 1800 WED	Date/Time To: 08/03/2017 0600 THU
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	DEPUTY	RANDY JACKSON
SAFETY OFFICER	ROLAND GARCIA GREG MARFIL (T)	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
4. Agency/Organization Representative(s):		7. Operations Section:	
Agency/Organization	Name	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	DIVISION/GROUP	A / D DALE SHIPPELHOUTE
CHESTER FPD	JOE WATERMAN	DIVISION/GROUP	M MIKE MARTINEZ
CAL OES	KEN HOOD	DIVISION/GROUP	N JORDAN TOWNSEND
CDCR	TAMMY MAINE	DIVISION/GROUP	O / Z ROBERT RICE
PACIFIC GAS & ELECTRIC	ROB CONE		
		7b. Air Operations Branch:	
		AIR OPS BRANCH DIRECTOR	ROBERT DELMAS KERRY KOSKELA
		AIR SUPPORT SUPERVISOR	ROBERT REECE
5. Planning Section:		8. Finance/Administration Section:	
CHIEF	ARTIE COLSON	CHIEF	JOAN DISNEY
DEPUTY	DAVE MARTIN	TIME UNIT	TIFFANIE SACHE-SANITI
RESOURCES UNIT	DEREK PARKER	COMPENSATION UNIT	BEN CAZIER
SITUATION UNIT	MARK LEMON; ROBERT VERDIE DEREK PARKER (T)		
DEMOBILIZATION UNIT	JULIE ROBERTS		
FIRE BEHAVIOR ANALYST	TARO PUSINA		
TRAINING SPECIALIST	DEREK PARKER		
GIS SPECIALIST	LARRY VREDEBURGH DIANE SAVIN-DUKLETH		
TECHNOLOGY SUPPORT SPECIALIST	RON WATSON		
INCIDENT METEOROLOGIST	JASON CLAPP		
RESOURCE ADVISOR	MIGUEL JEFFREY		
9. Prepared By:	Name: DEREK PARKER	Position/Title: RESL	Signature: 
ICS 203	IAP Page	Date/Time: 08/02/2017 1202	



Minerva 5 Incident Weather Forecast



FORECAST NO: 5

NAME OF FIRE: Minerva 5

PREDICTION FOR: 1800 - 0600
SHIFT DATE: Wed-Thu, Aug 2-3, 2017

UNIT: CA-PNF
SIGNED: Jason Clapp

TIME AND DATE
FORECAST ISSUED: 1000 Wednesday 8/2/17

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

Weather Discussion: Cumulus buildups diminish near sunset tonight with decent humidity recovery over lower terrain and poorer recovery on midslopes. Wind will be terrain driven with N-NE ridge winds. Thursday afternoon may continue with afternoon cumulus buildups over area with a slight chance of isolated thunderstorms, but less confidence than Wednesday. Greater chances exist Friday into the weekend... **expect erratic outflow winds in vicinity of storms.** Good vertical mixing this week due to instability will aid column development.

WEATHER FORECAST for Tonight:

	Ridgetops / Upper Slope (6K ft)	Valleys / Lower Slopes (4K ft)
Weather	Cumulus buildups weakening by 1800	
Lows	65 – 72 (<i>little change</i>)	62 – 66 (<i>little change</i>)
Max RH	45 – 50% (<i>little change</i>)	60 – 65% (<i>little change</i>)
20 ft Winds	WSW 5 mph gusting to 8 mph After 2000, N 5-7 gusting to 12 mph	Becoming light downslope After 2100, downcanyon 3-4 mph with gusts 8 mph

Thermal belts: 35 – 40% **Inversion:** Setting up after 2100-2200

WEATHER FORECAST for Thursday (8/3): Erratic Outflows from nearby storms

	Ridgetops / Upper Slope (6K ft)	Valleys / Lower Slopes (4K ft)
Weather	Partly cloudy with afternoon cumulus buildups. 10% chance isolated t-storms mainly higher terrain to south and east	
Highs	85 – 87 (<i>down 1 – 2</i>)	92 – 95 (<i>down 1 – 2</i>)
Min RH	24 – 28% (<i>little change</i>)	18 – 22% (<i>little change</i>)
20 ft Winds	SE 4 mph gusting to 8 mph. After 1400, SW 7-10 mph G17 mph	Light upslope. After 1100, upcanyon/cross-slope 4 mph G8 mph

Thermal belts: 35 – 40% **Inversion:** Lifting by 1000

OUTLOOK for Friday (8/4): Erratic Outflows from nearby storms

Weather	Partly cloudy with afternoon cumulus buildups. 10% chance isolated t-storms mainly higher terrain to south and east	
Highs/Lows	Ridges: 82 – 85... Valleys: 90 – 93	Lows 60 – 70
Min/Max RH	Min: 18 – 28%	Max: 45-50% ridges, 60-65% valleys
20 ft Winds	Upslope winds 3-5 mph becoming upcanyon 5 mph with afternoon gusts 8 mph. SW ridge winds 6-8 gusting 13 mph.	

Thermal belts: 40 – 45% **Inversion:** Lifting by 1000

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 6	TYPE OF FIRE: Wildfire
FIRE NAME: Minerva 5	OPERATIONAL PERIOD: Night 1800 - 0600 , 8/2 - 8/3, 2017
DATE ISSUED: Aug. 2, 2017	TIME ISSUED: 0930
UNIT: Plumas NF, Mt. Hough Ranger District	SIGNED: <i>Is/ Taro Pusina</i> Taro Pusina , FBAN

INPUTS

WEATHER SUMMARY

See SPOT IMET Forecast

Discussion:

Continued hot and dry. Cumulus buildup to diminish tonight with decent RH recovery. Winds will be terrain driven with SE ridge winds. Afternoon cumulus buildup expected to continue Wed. and Thur. with slight chance of isolated t-storms.

Weather: Cumulus buildup weakening by 1800

Min Temp: Lower slopes: 60 - 62°, Ridges / upper slopes: 65 - 72°

Max RH: Lower slopes: 60 - 65%, Ridges / upper slopes: 45 - 50%

20' Winds: Lower slopes: Becoming light/downslope, 3 - 4 mph, gusts to 8 mph after 2100. Ridges / upper slopes: W/SW 5 mph, gusts to 8 mph, becoming N 5 - 7 mph, gusts to 12 mph after 2000.

Watch for Gusty and Erratic Winds near Thunder Cells

FIRE BEHAVIOR

GENERAL:

Quincy Burning Index is 42 and Energy Release Component 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 are approaching critically dry moisture levels - 1000 hr's. near 10% and lives near 100% - and include long and short needle conifers, oaks and areas of brush. Dense timber and ladder fuels provide an avenue for crownfire initiation.
- **Weather:** Persistent hot, dry weather coupled with an unstable atmosphere and moderate winds are conducive for rapid and intense fire spread. Near triple digit temperatures and single digit relative humidities are expected to continue which will increase the likelihood of active fire behavior.
- **Topography:** Steep topography - to 100% slope with deep drainages - can channel upslope/updrainage winds during the heat of the day from 1200 - 1900. The elev. range is 4500 - 6500'. Aspects are generally SW and NE.

SPECIFIC FIRE BEHAVIOR:

- **Before Dark:** Group tree torching and short duration crownfire runs likely with 100'+ flame lengths and 12 - 40 ch./hr. rates of spread with ¼ - ½ mi. spotting distances and 50 - 70% probability of ignition.
- **After Dark:** Moderate nighttime RH recovery should limit fire activity to mostly low/moderate intensity. Expect smoldering and creeping with occasional flare-ups. Potential timber headfire flame lengths 1 - 3' with max ROS 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 backing fire spread.

DIV's Z/AID: Mostly smoldering with isolated heat pockets that could cause flareups and problems near the line.

DIV's M/N/O: Low / Moderate fire behavior predicted. Fire expected to continue backing north toward Quincy in West and Middle Branches of Mill Ck. Maximum anticipated spread distance up to ¼ mi.

AIR OPERATIONS

- Expect smoky conditions in the fire area when the inversion settles in around 2100 hours.

Sunset 8/2: 2016 hrs. Sunrise 8/3: 0605 hrs.


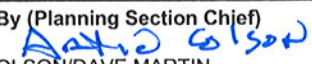
SAFETY

- A warm air 'thermal belt' could exist on the fire creating active fire behavior throughout the night.
- Unexpected rollout of burning debris on steep terrain can ignite unburned fuel below you.

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:		3.				
MINERVA 5		Branch:		Division/Group:		
2. Operational Period:		A / D				
NIGHT						
Date/Time From: 08/02/2017 1800 WED		Date/Time To: 08/03/2017 0600 THU				
4. Operations Personnel						
OPERATIONS CHIEF		JEFFREY HINSON		NIGHT OPS STEVE WATKINS		
PLANNING OPS		CLINT GOULD LUIZ GOMEZ (T)		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 - T1 - S/T 9243G (EVEN)		08/11	KYLE P FERRIS	30	ON LINE/1800	ICP/0600
ENG - T3 - S/T 9212C (EVEN)		08/11	GARRETT NEEDLES	20	ON LINE/1800	ICP/0600
DOZ - T2 - NORTHSTATE E-31		08/12	GEORGE POE	1	ICP/1800	ICP/0600
SOFR		08/15	NICK MARTINO	1	ICP/1800	ICP/0600
SOFR (T)		08/15	MICHAEL ZIMMERMAN	1	ICP/1800	ICP/0600
6. Control Operations/Work Assignments:						
Continue to hold and improve established firelines.						
7. Special Instructions:						
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.						
Backhaul excess supplies and trash.						
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	1 PNF FIRE ADMIN	171.4250N		163.1625N	T6 (156.7), T8	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 AIR GUARD	168.6250N		168.6250N	110.9	A
9. Prepared By (Resource Unit Leader)		Approved By (Planning Section Chief)		Date	Time	
DEREK PARKER		ARTIE COLSON/DAVE MARTIN		08/02/2017	1202	

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:		3.				
MINERVA 5		Branch:		Division/Group: M		
2. Operational Period: NIGHT						
Date/Time From: 08/02/2017 1800 WED		Date/Time To: 08/03/2017 0600 THU				
4. Operations Personnel						
OPERATIONS CHIEF	JEFFREY HINSON		NIGHT OPS	STEVE WATKINS		
PLANNING OPS	CLINT GOULD LUIZ GOMEZ (T)		DIVISION/GROUP SUPERVISOR	MICHAEL MARTINEZ		
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
ENG - T3 - S/T OES 2870C	08/13	DONALD LINNEMAN	22	ICP/1800	ICP/0600	
SOFR	08/15	NICK MARTINO	1	ICP/1800	ICP/0600	
SOFR (T)	08/15	MICHAEL ZIMMERMAN	1	ICP/1800	ICP/0600	
6. Control Operations/Work Assignments:						
Continue to prep on the 24N20 Road. Find opportunities to tie into Division N.						
7. Special Instructions:						
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. Backhaul excess supplies and trash. 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	1 PNF FIRE ADMIN	171.4250N		163.1625N	T6 (156.7), T8	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 AIR GUARD	168.6250N		168.6250N	110.9	A
9. Prepared By (Resource Unit Leader)		Approved By (Planning Section Chief)		Date	Time	
DEREK PARKER 		ARTIE COLSON/DAVE MARTIN 		08/02/2017	1202	

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
MINERVA 5			Branch:		Division/Group: N	
2. Operational Period: NIGHT						
Date/Time From: 08/02/2017 1800 WED		Date/Time To: 08/03/2017 0600 THU				
4. Operations Personnel						
OPERATIONS CHIEF		JEFFREY HINSON		NIGHT OPS		STEVE WATKINS
PLANNING OPS		CLINT GOULD LUIZ GOMEZ (T)		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
SOFR		08/15	NICK MARTINO	1	ICP/1800	ICP/0600
SOFR (T)		08/15	MICHAEL ZIMMERMAN	1	ICP/1800	ICP/0600
6. Control Operations/Work Assignments:						
Scout for line placement opportunities. Utilize dozers as they become available.						
7. Special Instructions:						
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 Raod east to ICP. Backhaul excess supplies and trash. 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	1 PNF FIRE ADMIN	171.4250N		163.1625N	T6(156.7)T8(103.5)	A
TACTICAL	11 R5 TAC5	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 AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
DEREK PARKER			ARTIE COLSON/DAVE MARTIN		08/02/2017	1202

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:		3.				
MINERVA 5		Branch:		Division/Group:		
2. Operational Period:		O / Z				
NIGHT						
Date/Time From: 08/02/2017 1800 WED		Date/Time To: 08/03/2017 0600 THU				
4. Operations Personnel						
OPERATIONS CHIEF	JEFFREY HINSON		NIGHT OPS	STEVE WATKINS		
PLANNING OPS	CLINT GOULD LUIS GOMEZ (T)		DIVISION/GROUP SUPERVISOR	ROBERT RICE		
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
CREW - T1 - S/T 9231G (EVEN)	08/12	JOE MADSEN	30	ON LINE/1800	ICP/0600	
ENG - T3 - S/T 9148C (EVEN)	08/12	RICARDO RODRIGUEZ	19	ON LINE/1800	ICP/0600	
DOZ - T2 - S/T 9151L	08/12	JAKE ROSEBROCK	6	ON LINE/1800	ICP/0600	
DOZ - T2 - PNF 3	08/11	CARL ZINN	3	ICP/1800	ICP/0600	
SOFR	08/15	NICK MARTINO	1	ICP/1800	ICP/0600	
SOFR (T)	08/15	MICHAEL ZIMMERMAN	1	ICP/1800	ICP/0600	
6. Control Operations/Work Assignments:						
Continue prep across 24N26 Road towards Peppard Flat and the 24N73 Road.						
7. Special Instructions:						
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. Backhaul excess supplies and trash. 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	1 PNF 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 AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A
9. Prepared By (Resource Unit Leader)		Approved By (Planning Section Chief)		Date	Time	
DEREK PARKER		ARTIE COLSON/DAVE MARTIN		08/02/2017	1202	



SAFETY MESSAGE

SAFETY IS OUR FIRST PRIORITY

Fire fighter safety comes first on every fire, every time

Incident : Minerva	Date: August 2, 2017	Shift: Day/Night
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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

Line Safety Officers: See IAP

**Safety Officers- Ron Garcia SOF2
Jimmy Stephens- SOF2**

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)


1. Incident Name: MINERVA 5	2. Date/Time Prepared: Date: 08/02/2017 Time: 1202	3. Operational Period: NIGHT	Date/Time To: 08/03/2017 0600
		Date/Time From: 08/02/2017 1800	Date/Time To: 08/03/2017 0600
		WED	THU

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	ALL DIVS	171.4250N		163.1625N		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/D	168.6000N		168.6000N		A	
15	7	TACTICAL	NIFC TAC 5	AVAILABLE	166.7250N		166.7250N		A	REQUEST THROUGH OPS
15	8	TACTICAL	NIFC TAC 6	DIV M	166.7750N		166.7750N		A	
15	9	TACTICAL	NIFC TAC 7	DIV O/Z	168.2500N		168.2500N		A	
15	10	TACTICAL	R5 TAC 4	AVAILABLE	166.5500N		166.5500N		A	REQUEST THROUGH OPS
15	11	TACTICAL	R5 TAC 5	DIV N	167.1125N		167.1125N		A	
15	12	TACTICAL	R5 TAC 6	AVAILABLE	168.2375N		168.2375N		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	TONE ON TRANSMIT ONLY - URGENT AIRCRAFT CONTACT

5. Special Instructions:

LAST CLONE 7-31-17

6. Prepared By (Communications Unit Leader)	Name: TROY VAUGHN	Signature: 
ICS 205	IAP Page	Date/Time: 08/02/2017 1202

MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name				2. Operational Period			
Minerva Fire				Date/Time: 08/02/2017 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		Phone	Helipad		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 		8/2/2017 1000		Ron Garcia – SOF2 			

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 Life threatening injury or illness. <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 Serious Injury or illness. <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

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!



August 2nd, 2017

TRAINING SPECIALIST MESSAGE

Minerva Fire

A Training Specialist is on the incident. All federal, state, and local government agency trainees working on position task books will need to register with the Incident Training Specialist to receive proper credit for your assignment.

Bring your initiated Task Book and valid Red Card.

If you need training logged, you should initiate with the TNSP at the earliest opportunity. TNSP is open from 6a-10p but also doing Resources. Please come and stop by! If I can fit you in I surely will.

Derek Parker
Training Specialist

Minerva ICP Traffic Map

EXIT

Gate

Lower campgrounds

CREW PARKING

Motor Arena

CREW SLEEPING

Grandstand arena and race track

Grandstand

LAUNDRY

SHOWERS

TOILETS

BRIEFING

KITCHEN

Carnival area

horse bins

TRAFFIC

Air barn

Gate 2

LUNCH

Cattle barn

Cattle barn

Lee Road

Gate

ENTER

Range cattle

Legend:

I - Drinking fountain	Ⓢ - Information
II - Food	Ⓟ - Parking
Ⓟ - Handicapped parking	Ⓜ - Restroom
	Ⓣ - Telephone

CDCK

PLUMAS COUNTY FAIRGROUNDS

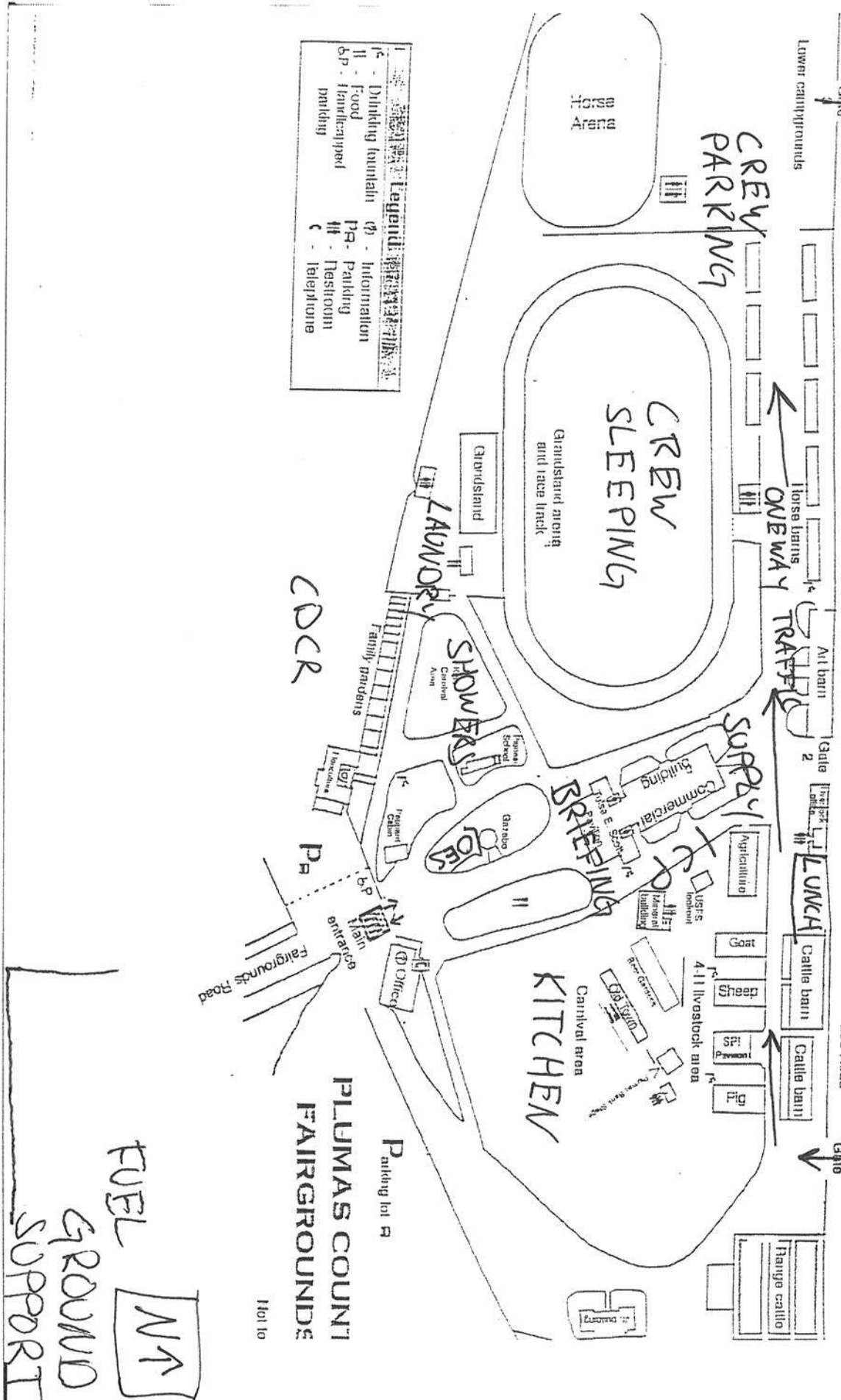
Parking lot A

Hot to

FUEL

GROUND

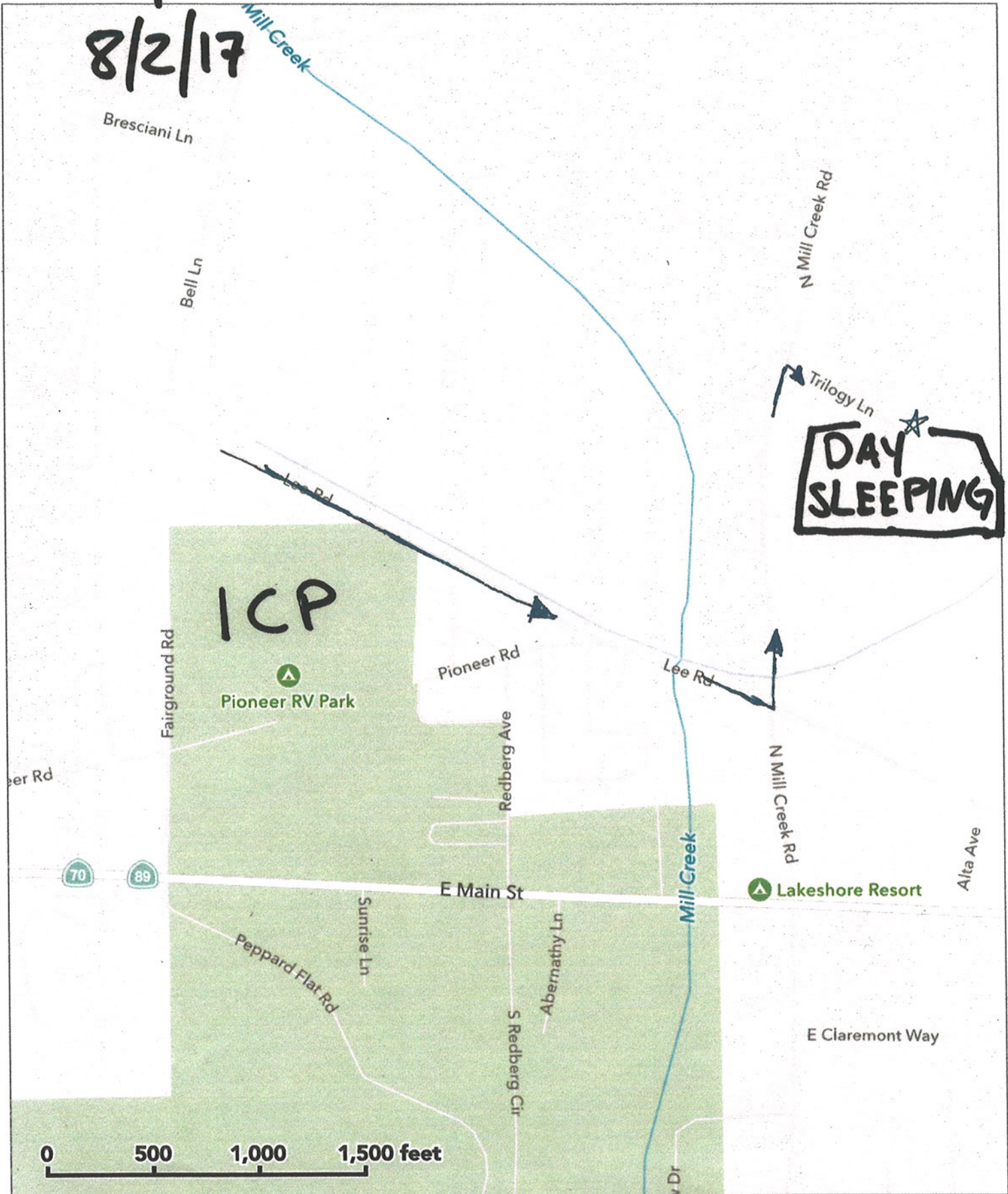
SUPPORT



DAY SLEEPING MAP

near Quincy — Plumas

8/2/17



QR Codes



Weather Observations



Minerva 5 IAP Map

