

COLD INCIDENT

CA-LNU-007135

INCIDENT ACTION PLAN



OPERATIONAL PERIOD

8/10/2016 0700

to

8/13/2016 0700

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: <p style="text-align: center;">COLD</p>	2. Operational Period <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Date From:</td> <td style="border: none;">8/10/2016</td> <td style="border: none;">Date To:</td> <td style="border: none;">8/13/2016</td> </tr> <tr> <td style="border: none;">Time From:</td> <td style="border: none;">0700</td> <td style="border: none;">Time To:</td> <td style="border: none;">0700</td> </tr> </table>	Date From:	8/10/2016	Date To:	8/13/2016	Time From:	0700	Time To:	0700												
Date From:	8/10/2016	Date To:	8/13/2016																		
Time From:	0700	Time To:	0700																		
3. Objective(s): <u>Management Objectives</u> <ul style="list-style-type: none"> -Provide for emergency personnel and public safety at all times -Protect property, improvements and infrastructure -Foster and maintain relationships with all cooperators and stakeholders -Protect economic, natural, cultural and heritage resources -Ensure coordinated, timely and accurate release of public information -Maintain fiscal accountability and keep costs commensurate with values at risk <u>Control Objectives</u> <ul style="list-style-type: none"> -Keep the Fire within the current established fire perimeter 																					
General Situational Awareness: <p>Steep and rugged terrain, critically dry and receptive fuel beds, active area for fire history, drought stressed trees, and Highway 128 is open to all traffic with no controls. Demobilization of resources is occurring.</p>																					
5. Site Safety Plan Required? Yes ___ No <u>X</u> Approved Site Safety Plan(s) Located at:																					
6. Incident Action Plan <table style="width: 100%; border: none;"> <tr> <td style="border: none;">X ICS 203</td> <td style="border: none;">X ICS 215A</td> <td style="border: none;">Phone List</td> <td style="border: none;">X Fire Suppression Repair Plan</td> </tr> <tr> <td style="border: none;">X ICS 204</td> <td style="border: none;">ICS 220</td> <td style="border: none;">Training Message</td> <td style="border: none;">Off Site Lodging Message</td> </tr> <tr> <td style="border: none;">X ICS 205</td> <td style="border: none;">X Travel Map</td> <td style="border: none;">X Base Map</td> <td style="border: none;">Documentation Message</td> </tr> <tr> <td style="border: none;">X ICS 206</td> <td style="border: none;">X Weather Forecast</td> <td style="border: none;">X Demob Plan</td> <td style="border: none;">X ICS 214</td> </tr> <tr> <td style="border: none;">X ICS 208</td> <td style="border: none;">X Fire Behavior</td> <td style="border: none;">X Finance Message</td> <td></td> </tr> </table>		X ICS 203	X ICS 215A	Phone List	X Fire Suppression Repair Plan	X ICS 204	ICS 220	Training Message	Off Site Lodging Message	X ICS 205	X Travel Map	X Base Map	Documentation Message	X ICS 206	X Weather Forecast	X Demob Plan	X ICS 214	X ICS 208	X Fire Behavior	X Finance Message	
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X ICS 208	X Fire Behavior	X Finance Message																			
7. Prepared By: Chris Aragon Position/Title: PSC Signature: 																					
8. Approved by Incident Commander Robert Bartsch Signature: 																					
ICS 202	IAP Page _____																				

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: COLD		2. Operational Period: Date From: 8/10/2016 Time From: 0700		Date To: 8/13/2016 Time To: 0700	
3. Incident Commander(s) and Command Staff:			7. Operation Section:		
IC/JC's	Robert Bartsch		Chief		
Deputy			Deputy		
Safety Officer	Matt Newberry / William Mertz (T)		Night Ops		
Information Officer			Staging Area		
Liaison Officer			Branch	Director:	
LE Liaison Officer		Division/Group	A/D/M/RAW/X	Scott Weese	
		Division/Group	SUPP / REPAIR	Megan Scheeline	
4. Agency/Organization Representatives:			Division/Group		
Agency/Organization	Name		Division/Group		
City of Winters	John Donlevy, Jr.		Division/Group		
Yolo Co. OES	Dana Carey		Branch	Director:	
BLM	Jeff Tunnell		Division/Group		
CCC	Amy Duncan / Noah Wall-Torres		Division/Group		
Yolo Co. SO	Hernan Oviedo / Dean Nyland		Division/Group		
CHP	Chuck King		Division/Group		
CAL TRANS	Franco Bargagliotti		Division/Group		
PGE	Chad Lavezzo / Dave Ebbert		Branch	Director:	
Bureau of Reclamation	Margaret Bailey		Division/Group		
			Branch	Director:	
			Division/Group		
			Division/Group		
5. Planning Section:			Division/Group		
Chief	Chris Aragon		Division/Group		
Deputy			Division/Group		
Resource Unit			Branch	Director:	
Situation Unit			Division/Group		
Documentation Unit			Division/Group		
Demobilization Unit			Division/Group		
GISS			Division/Group		
FBAN			Division/Group		
IMET			Air Operations Branch	Director:	
6. Logistics Section			Division/Group		
Chief	Keith Hill				
Deputy					
Supply Unit					
			8. Finance/Administration Section:		
Facilities Unit	Kim Watson		Chief	Harper Keene	
Ground Support Unit			Deputy	John Kiszka	
Hired Equipment Tech			Time Unit	Andrew Corpuz / Juan Navarro (T)	
Communications Unit			Procurement Unit	Julle Freeman	
Medical Unit			Comp/Claims Unit	Joe Tapia	
Motels	Marie Bills		Cost Unit	Greg Belk	
Prepared By: Name:	Chris Aragon		PSC	Signature: 	
ICS 203	IAP Page _____	Date/Time:	8/9/2016 1500 hours		



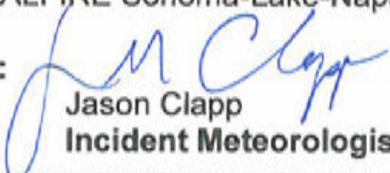
INCIDENT WEATHER FORECAST



FORECAST NO: 6
PREDICTION FOR: Wed-Fri DAY/NIGHT SHIFT

INCIDENT NAME: Cold Fire
UNIT: CALFIRE Sonoma-Lake-Napa Unit

SHIFT DATE: 10-12 August 2016 Outlook
TIME AND DATE
FORECAST ISSUED: 1200 / 9 August 2016

SIGNED: 
Jason Clapp
Incident Meteorologist

WEATHER TODAY:

WEATHER: Ridge builds with near to above normal temperatures and morning NE winds. Expect eddies in Putah, Thompson, and Bray canyons due to slope flow battling northerly ridge winds.

TEMPERATURES: 87-93 *Trend: Little Change*
RELATIVE HUMIDITY: 22-27% *Trend: Little Change*

20 FT WINDS:

RIDGETOP – NE 7-10 mph with morning gusts 15, then shifting SE 4-8 mph gusting 12 mph after 1200, then NE again 5-10 mph after 2100.
SLOPE/VALLEY – Downcanyon 4 to 8 mph shifting upslope 3-7 mph after 1000 with eddy winds near confluences and on mid to upper slopes.

Haines: 4 **LAL:** 1 **Stability/Inversion:** Inversion breaking around 1100.

WEATHER FOR TONIGHT AFTER 2200: Clear.

Low temperatures: 60-65...thermal belt 70-75. Max RH: 45-55%...35% mid/upper slopes.
20FT Winds: NE/downcanyon 5-10 mph. Gusting to 15 mph down Thompson and Bray Canyons.

WEATHER DISCUSSION: Drying northerly winds in place Wednesday morning before slope winds dominate again. Upper ridge/high pressure builds into the area through the remainder of the week with gradually warming temps and standard afternoon diurnal breezes. The hot and dry weather conditions late in the week are similar to conditions on the first two days of the fire (Aug 2 and 3).

OUTLOOK FOR THURSDAY/FRIDAY:

Thursday: Little change from Wed. Ridge builds with near to above normal temperatures.
High temps: 88-94. Max/ Min RH: 35-50% / 20-25%. Winds: Morning NW/NE winds 4-6 gusting 10 mph shifting to upslope/S in afternoon. Gusts to 15 down Putah, Thompson, and Bray Canyons 2100-0300.

Friday: The hottest day of the week under high pressure.
High temps: 90-96. Max/ Min RH: 40-60% / 18-23%. Winds: Morning NW/NE winds 4-6 gusting 10 mph shifting to upslope/S in afternoon. Gusts to 15 down Putah, Thompson, and Bray Canyons 2100-0300.



Nearby Weather Observations



Extended Weather Outlook

Cold Fire Planning Weather Outlook

Day	Wed 10 Aug	Thu 11 Aug	Fri 12 Aug	Sat 13 Aug	Sun 14 Aug
Watch/Warning	None	None	None	None	None
Min/Max T	66 / 93	66 / 94	67 / 96	64 / 94	64 / 92
Max/Min RH%	50 / 22%	50 / 20%	40 / 18%	40 / 22%	40 / 25%
Ridge Wind	NE/SE G20	SSE G20	SSE G15	SSE G15	SSW G15
Stability/Haines	3	3	3	3	4
TS Chance	0%	0%	0%	0%	0%

Created: Tuesday, 9 August 2016 /1800

Multiple criteria will change color

Moderate Fire Weather Conditions	Critical Fire Weather Conditions	Extreme Fire Weather Conditions
	Fire Weather Watch T > 92F RH > 13 < 22% N Wind G > 15 TS > 20% Haines 5	Red Flag Warning T > 96F RH < 13% N Wind G > 25 TS > 50% Haines 6

FIRE BEHAVIOR FORECAST

FIRE NAME: Cold	OUTLOOK PERIOD: (valid time period): 8/10-12/2016
DATE ISSUED: 08/09/2016	Time Issued: 1800
UNIT: Sonoma Lake Napa Unit	SIGNED:
	Printed: Stephen Volmer – FBAN

WEATHER SUMMARY:

Building high pressure will result in lower humidity's and higher daytime temperatures. Expect near to above normal temperatures.

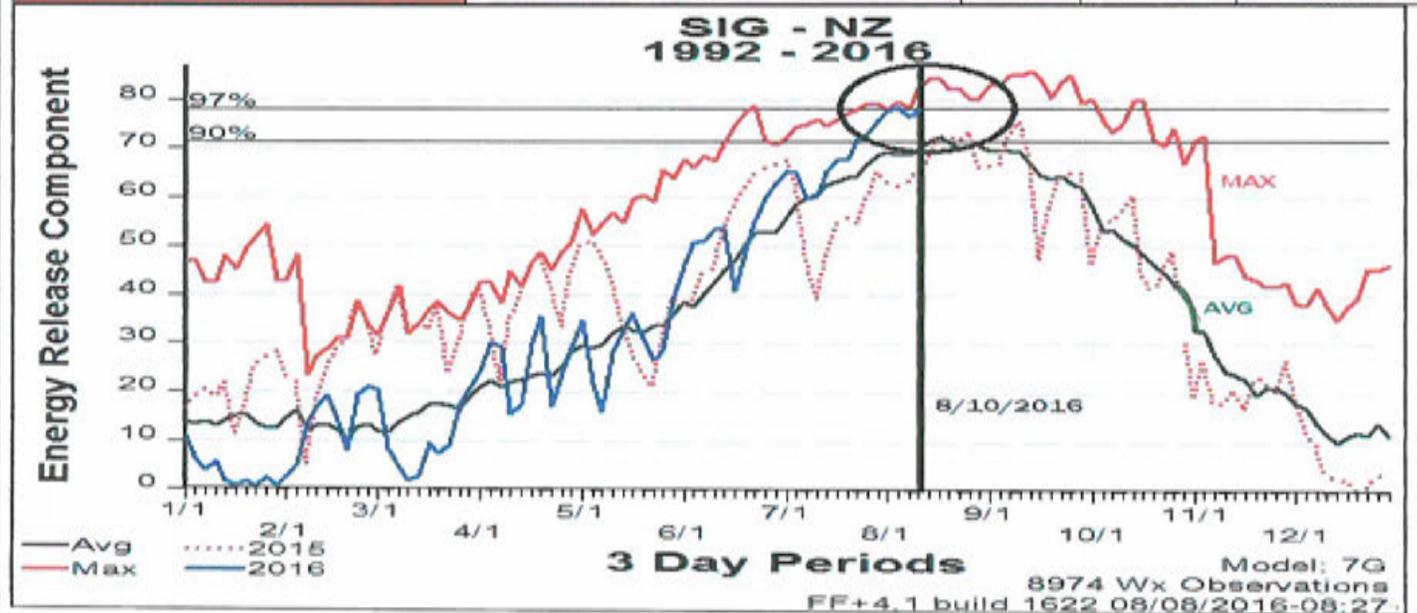
	8/10	8/11	8/12
Daytime Temps	87 – 93	87 – 94	88 – 96
Relative Humidity	22 – 27%	20 – 25%	18 – 23%
Winds – Slope & Valley	NE 10 – 15 in AM SSE Gusts to 20	NE 10 – 15 in AM SSE Gusts to 20	NW Gusts to 15 in AM SSE Gusts to 15

FIRE BEHAVIOR DISCUSSION (Peak Burn Period Extremes)

Regionally fuels are beginning to reach critical fuel moistures in most areas. Expect most fires to begin transitioning from a wind and or terrain dependent fire to a fire that is fuels driven. In the event that fuels, topography and wind align expect rapid fire development and the potential for extended attack. ERC levels will continue to be above the 90th percentile and reach levels just below the 97th percentile for this forecast period.

New Fire Potential With Optimal Alignment

Fuel Type	ROS (Ft-MIN) Forward	FL (Ft)	Spotting (mi.)	PIG %
Grass – Low load	157	9	.4	90
Grass/Shrub – Moderate load	93	10	.5	90
Brush – Very high load	126	23	.8	90



Reassessment criteria: Any changes in the forecasted weather will necessitate the need for reassessment. This forecast expires on 8/12/2016, or when conditions do not meet the forecast.

SAFETY

Light Fuels React Very Quickly to Changes in Humidity and Temperature. Plan Ahead!
Vehicles working and parked in grass areas will be able to cause ignition easily.



SAFETY MESSAGE COLD INCIDENT



1. Incident Name: Cold	2. Operational Period: Date From:08/10/16 Time From:07:00	Date To:08/13/16 Time To:07:00
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DRIVING TO AND FROM INCIDENTS RESULTS IN MULTIPLE ACCIDENTS EVERY YEAR

- Utilize proper lifting techniques while backhauling trash, hose and equipment.
- Demobilization has begun. Please ensure you complete your golden circle prior to driving. Two minutes spent ensuring the vehicle is ready to move can prevent an accident. Secure any loose items prior to moving the vehicle.
- Secure your vehicles and equipment while off site. Be alert of your surroundings at all times. When possible, park in well-lit areas near populated portions of the parking areas.
- Be cognizant of fatigue in yourself and your crews. Many of us have been on multiple assignments concurrently. Rest when appropriate.
- Drive with head lights on and slow down in and around the Incident.
- Units working on Hwy 128 must use code three lights while parked. Be aware that Hwy 128 has been fully opened and will have a heavier amount of traffic due to the weekend.
- Be alert to critical fuel moisture levels for any new starts in or around the Incident.
- Don't let your guard down on proper hydration and nutrition levels. This will keep you ready for any new Incidents as well.
- ESTABLISH: LOOKOUTS, COMMUNICATIONS, ESCAPE ROUTES AND SAFETY ZONES.

IT'S NOT OVER UNTIL IT'S OVER

4. Site Safety Plan Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Approved Site Safety Plan(s) Located At: N/A		
5. Prepared by: Name/Position: Buchmeier-SOF1  Janssen-SOF1(T) 		
ICS 208	IAP Page _____	Date/Time: August 9, 2016/16:00

1. Incident Name: COLD		2. Incident Number: CALNU007135	
3. Date/Time Prepared: Date: 8/9/16 Time: 1400		4. Operational Period: Date From: 8/10/16 Date To: 8/13/16 Time From: 0700 Time To: 0700	
5. Incident Area	6. Hazards/Risks	7. Mitigations	
ALL	STEEP TERRAIN	<ul style="list-style-type: none"> - POST LOOKOUTS - WATCH FOOTING 	
ALL	NARROW ONE WAY ROADS	<ul style="list-style-type: none"> - TURN ON HEADLIGHTS - SLOW DOWN 	
ALL	FATIGUE	<ul style="list-style-type: none"> - MAINTAIN PROPER WORK REST CYCLES & DOCUMENT IN YOUR ICS-214 	
ALL	HYDRATION	<ul style="list-style-type: none"> - MAINTAIN 3 WATER'S TO 1 ELECTROLYTE RATIO 	
ALL	BACK HAUL/TRASH	<ul style="list-style-type: none"> - USE PROPER LIFTING TECHNIQUES 	
ALL	DEMOB NOW IN PROGRESS	<ul style="list-style-type: none"> - COMPLETE YOUR GOLDEN CIRCLE - ENSURE EQUIPMENT IS STOWED/SECURED 	
ALL	HIRED EQUIPMENT	<ul style="list-style-type: none"> - PROVIDE PROPER SUPERVISION PER CAL FIRE POLICY 	
ALL	HYGEINE	<ul style="list-style-type: none"> - ENSURE PROPER HAND-WASHING & CLEANLINESS 	
ALL	DROUGHT STRESSED TREES	<ul style="list-style-type: none"> - MAINTAIN SITUATIONAL AWARENESS 	
ALL	COMMUNICATIONS	<ul style="list-style-type: none"> - FOLLOW THE COMM PLAN - USE HUMAN REPEATERS 	
ALL	SECURITY FOR OFF-SITE LOCATIONS	<ul style="list-style-type: none"> - PLACE SECURITY AT ENTRANCE AND EXIT PLUS TWO ROAMING IN ICP - PARK IN WELL LIT AREAS 	
8. Prepared by: Joe Buchmeier  SOF1/Josh Janssen SOF1(T) 			
ICS 215A			



COLD INCIDENT CA-LNU-007135



DEMOBILIZATION SAFETY MESSAGE

On Behalf of CAL FIRE Incident Management Team 6 we would like to thank you for your assistance. We wish you safe travels home or to your next assignment. Below are a few reminders to make your trip safer:

- Conduct walk around before driving
- Check for and secure all loose items (ie: tools, hose, and packs)
- Wear seat belts at all times
- Monitor all drivers for fatigue,
 - Switch drivers regularly if possible
 - Find a safe place to stop, exit the vehicle and stretch
 - If all else fails, stop and take a short rest to revitalize
- Obey Posted Speed Limits
- Ensure Personnel have adequate nutrition and hydration for the trip
- Be prepared for the next incident

Thank you again for your hard work!

Joe Buchmeier SOF1

Josh Janssen SOF1(T)

Dedicated to Effective, Efficient, and Professional Incident Management



CAL FIRE INCIDENT MANAGEMENT TEAM 6



Established 1994

COLD INCIDENT
CALNU 007135

FINANCE & DEMOBILIZATION

LOCATION: Winters Fire Department
700 Main Street
Winters, CA 95694

STARTING: Thursday August 11, 2016

HOURS: 0700 – 1900

PHONE #: (925) 588-6806

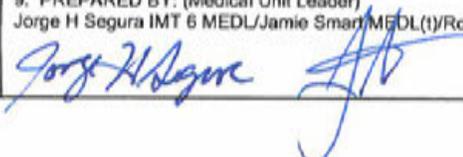
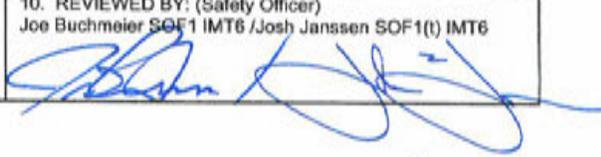
To complete Time and Demobilization process for the following resources:

- CAL FIRE
- Hired Equipment
- Local Government
- USFS

Dedicated to Effective, Efficient, and Professional Incident Management

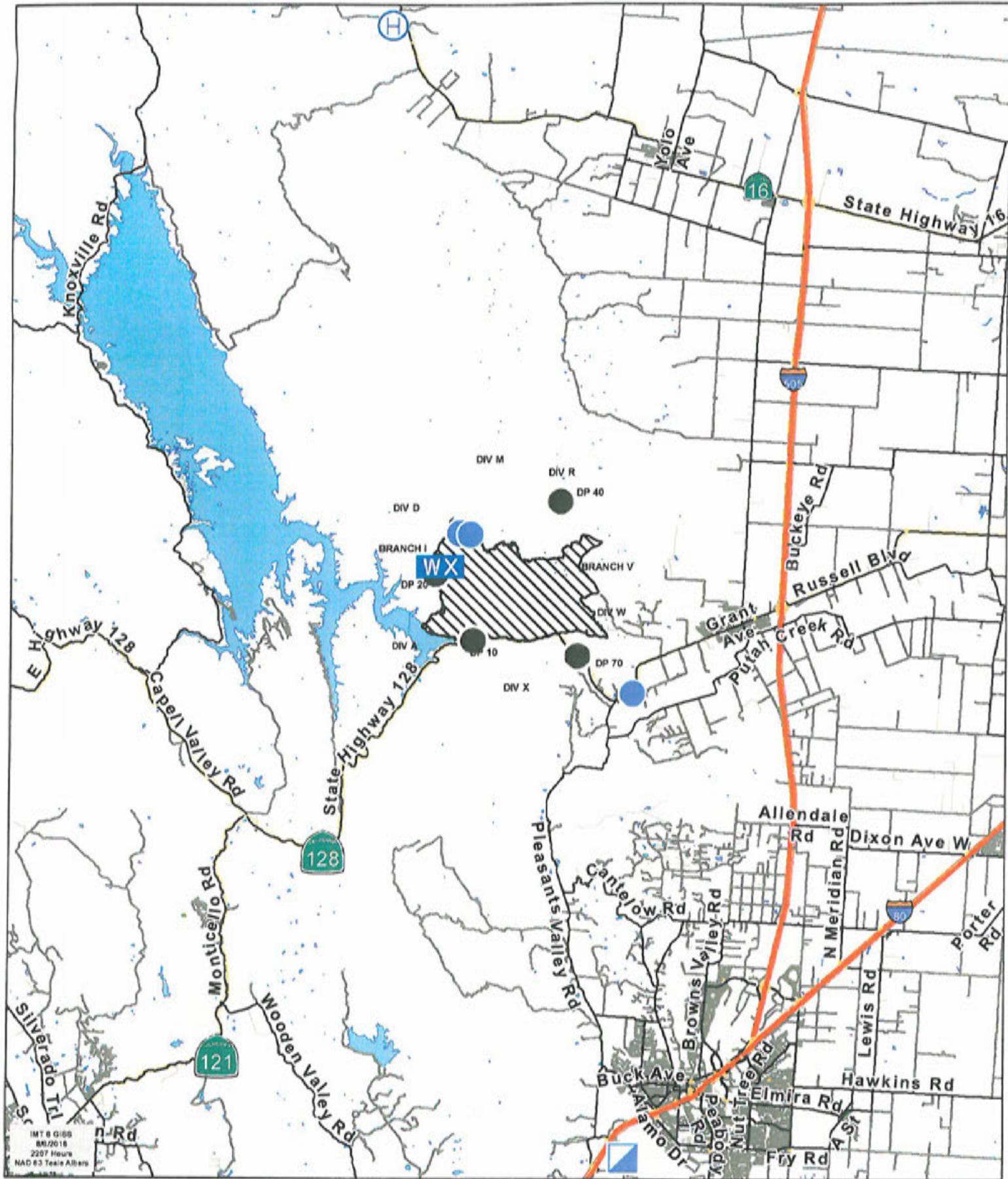
ASSIGNMENT LIST (ICS 204)

1. Incident Name: <p style="text-align: center;">COLD</p>		2. Operational Period: Date From: 08/10/16 Date To: 08/13/16 Time From: 0700 Time To: 0700				3. Branch: Division/Group A/D/M/R/W/X Staging Area:	
4. Operations Personnel: Operations Section Chief: Branch Director: Division/Group Supervisor: Scott Weese		<u>Name</u>		<u>Contact #</u>			
5. Resources Assigned:							
Resource Identifier	Leader	Number of Personnel	Contact	Reporting Location, Special Equipment, Remarks, Notes, and Information			
STC LNU 9146C	Weese, Scott	18		0700-1900	ICP		
ENG LNU				1900-0700	ICP		
ENG LNU				1900-0700	ICP		
CRW LNU Delta 5	Schepens, Derek	16		0700-1900	ICP		
CRW LNU Konocti 3	Morrissy, Brian	16		0700-1900	ICP		
W/T PVT E-87	Cookson, Sam	1		0700-1900	ICP		
W/T PVT E-212	Brady, Dan	1		0700-1900	ICP		
SOFR O-237	Newberry, Matt	1		0700-1900	ICP		
SOFR O-249	Mertz, William	1		0700-1900	ICP		
6. Work Assignments: Patrol fire perimeter Continue to support fire suppression repair.							
7. Special Instructions: All resources are on a 12 hour shift Do not use private hydrant located in front of Lake Solano County Park on Pleasant Valley Rd Contact for Division will be 9146C S/T Leader							
8. Communications (radio and/or phone contact numbers needed for this assignment):							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C11	1	COMMAND	151.1675	103.5	159.3975	162.2	
CDF T30	5	TACTICAL	151.3925	192.8	151.3925	192.8	
CALCORD	14	MEDICAL	156.0750	156.7	156.0750	156.7	
A/G	15	AIR TO GROUND	159.2250	192.8	159.2250	192.8	
GUARD 04	16	EMERGENCY	168.6250		168.6250	110.9	
9. Prepared by: Name: Chris Aragon		Pos/Title: PSC		Signature:			
ICS 204		IAP Page _____		Date/Time: 8/9/2016 1500 hours			

MEDICAL PLAN ICS 206		1. INCIDENT NAME COLD FIRE	2. DATE PREPARED 08/07/16	3. TIME PREPARED 2100	4. OPERATIONAL PERIOD 8/10/16 – 8/13/16 0700-0700					
5. INCIDENT MEDICAL AID STATIONS										
MEDICAL SUPPLY TRAILER			LOCATION			PARAMEDICS				
Not Assigned						YES		NO		
6. TRANSPORTATION										
A. AMBULANCE SERVICES										
NAME		LOCATION		PHONE		PARAMEDICS				
						YES		NO		
CALSTAR (Odd Days)		Vacaville		800-252-5050		X				
Reach Ambulance (Even Days)		Concord		800-338-4045		X				
American Medical Response		West Sacramento		800-913-9122 916-439-4604		X				
CAL FIRE Copter104 (Day)		Boggs Heli Base		St Helena ECC				X		
B. INCIDENT AMBULANCES										
NAME		LOCATION			PARAMEDICS					
					YES		NO			
Not Assigned		Use local Fire/EMS and follow local protocols								
7. HOSPITALS										
NAME	ADDRESS		TRAVEL TIME		PHONE		HELIPAD		BURN CENTER	
Med Net Channel			AIR	GRND			YES	NO	YES	NO
Kaiser (Level 2 Trauma)	1 Quality Dr. Vacaville CA		2	8	707-624-4000 707-452-9892		X			X
UC Davis Medical Center (Level 1 Trauma / Burn)	2315 Stockton Blvd, Sacramento CA 95817		12	30	916-734-2011 916-734-5669		X		X	
Vaca Valley Hospital	1000 Nut Tree Rd. Vacaville		3	16	707-624-7000 707-624-7810		X			X
8. MEDICAL EMERGENCY PROCEDURES										
<p style="text-align: center;"><u>LINE EMERGENCY:</u></p> <p>Crew Supervisor will contact Division Supervisor with patient complaint/condition and location.</p> <ul style="list-style-type: none"> • Division/Group Supervisor contacts: <ol style="list-style-type: none"> 1. Communications Unit 2. Closest EMS resource • Communications Unit contacts: <ol style="list-style-type: none"> 1. Ground or Air ambulance as requested 2. Operations 3. Safety 4. Medical Unit • Division Supervisor or designee will serve as point of contact and run medical emergency on assigned channel. <ol style="list-style-type: none"> 1. A pre-assigned tactical frequency (i.e. CALCORD) should be used for IWI and only for duration of need. • Communications Unit will clear command channel for emergency traffic as needed and only for duration of need. 					<p style="text-align: center;"><u>INJURY REPORTING PROCEDURES:</u></p> <p>NATURE OF INJURY _____</p> <p>LOCATION OF PATIENT _____</p> <p>POINT OF CONTACT _____</p> <p>TRANSPORTATION REQUESTED BY: AIR__ GROUND__</p> <p>POINT OF PICKUP _____</p> <p>LAT _____ LONG _____ Datum WGS84</p> <p>PATIENT UNIT ID _____</p> <p>IS AN EMT WITH PATIENT: YES ____ NO ____</p> <p>AGE _____</p> <p>SEX: MALE ____ FEMALE ____</p> <p>ALL EMERGENCIES---Secure the area and identify witnesses for later investigation. Keep an accurate log of events.</p>					
ICS 206 (Rev 03/12) FR		9. PREPARED BY: (Medical Unit Leader) Jorge H Segura IMT 6 MEDL/Jamie Smart MEDL(t)/Robert Beeson MEDL(t)			10. REVIEWED BY: (Safety Officer) Joe Buchmeier SOF1 IMT6 /Josh Janssen SOF1(t) IMT6					
										

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

1. Incident Name: COLD		2. Date/Time Prepared Date: 08/09/2016 Time: 1900		3. Operational Period: Date From: 08/10/16 Time From: 0700 Date To: 08/13/16 Time To: 0700				
4. Communications								
Ch#	Function	Name	Assigned To	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
1	COMMAND	CDF C11	COMMAND	151.1675	103.5	159.3975	162.2	GROUP 20 CH.19 (TONE 15)
2		CH 2						
3	TACTICAL	NIFC T5	UNASSIGNED	166.7250	CSQ	166.7250		
4	TACTICAL	CDF T29	UNASSIGNED	151.3475	192.8	151.3475	192.8	
5	TACTICAL	CDF T30	DIV A/D/M/R/W/X	151.3925	192.8	151.3925	192.8	
6	TACTICAL	CDF T31	SUPP / REPAIR	159.3825	192.8	159.3825	192.8	SUPPRESSION REPAIR
7	TACTICAL	VFIRE 24	UNASSIGNED	154.2725	156.7	154.2725	156.7	
8	TACTICAL	VFIRE 25	UNASSIGNED	154.2875	156.7	154.2875	156.7	
9	TACTICAL	VFIRE 26	UNASSIGNED	154.3025	156.7	154.3025	156.7	
10		CH 10						
11		CH 11						
12		CH 12						
13		CH 13						
14	MEDICAL	CALCORD	MEDICAL	156.0750	156.7	156.0750	156.7	
15	AIR TO GROUND	A/G	AIR TO GROUND	159.2250	192.8	159.2250	192.8	CDF T14
16	EMERGENCY	GUARD 04	EMERGENCY	168.6250		168.6250	110.9	EMERGENCY ONLY (CLONED ON 8/4/16)
17		CH 17						
18		CH 18						
19		CH 19						
20	EMERGENCY	GUARD 04	EMERGENCY	168.6250		168.6250	110.9	EMERGENCY ONLY (CLONED ON 8/4/16)
5. Special Instructions								
6. Prepared by (Communications Unit Leader): Name: TIM MAGUIRE COML						Signature: 		
ICS 205						Date/Time: 08/09/16 2000		



MT 8 G100
8/1/2016
2207 Hours
NAD 83 Teale Albers



1:200,000

- Drop Point
- ⊗ Division
- ⏏ Branch
- Ⓜ Helibase
- ▣ ICP
- ▬ Fire Perimeter



TRAVEL MAP
Cold Incident
CA LNU 007135



FIRE SUPPRESSION REPAIR PLAN: COLD INCIDENT

Fire suppression repair is the repair of damage caused directly from fire suppression activities. It is not the repair of infrastructure or rehabilitation of burned areas that happened as a result of the fire itself.

Damaged facilities will be upgraded to their pre-fire condition. Projects too large or complex to be completed by the Fire Suppression Repair Group shall be transferred to the Comp/Claims Unit or the local Unit. Repair work shall only occur in locations authorized by the Operations Section and where fire suppression activities are complete. Fire Suppression Repair Group resources shall evaluate all Divisions for appropriate repair needs. This includes areas inside and outside the fire perimeter, provided the damage was caused by official fire suppression activities.

Examples of items that may be repaired include, but are not limited to:

Infrastructure Damage	Natural Resource Damage
Fences and gates	Soil erosion
Culverts, bridges, and other watercourse crossings	Adverse impacts to air and water quality
Water sources	Adverse impacts to protected species of plants and animals
Utility distribution lines (above or below ground)	
Road barriers removed for fire access	
Trash, debris, and supplies left by fire suppression resources	
Miscellaneous damage to residential property	

Dozer Line Repair

Dozers construct both fire and contingency lines. Dozer line width varies greatly. The following measures shall be implemented for constructed dozer line:

- Berms and push-piles shall be spread out to the extent feasible. This may be accomplished by back-blading and/or using ripper shanks or grapples. Debris piled against trees or perched above watercourses is especially important to remove or disperse.
- Waterbreaks shall be constructed at an approximately 45 degree angle and shall be a minimum depth of 12 inches from the bottom of the cut to the top of the berm. Where feasible, the discharge from waterbreaks shall be directed into vegetated areas.
- Where slopes exceed the range at which a tractor can effectively work, waterbreaks shall be constructed with hand tools.
- Roads used in fire suppression activities shall be left in the same condition they were found or better. Gravel and soil-surfaced roads shall be watered to prevent excessive dust. Where fire suppression activities have damaged or rendered road drainage facilities non-functional, waterbreaks or drivable drainage dips shall be installed for drainage.
- Where fire suppression activities have filled in or damaged inside ditches, the ditches shall be cleaned and left unobstructed.
- Spacing of waterbreaks shall be as follows:

Prevailing gradient	Maximum waterbreak spacing
0-10%	200 feet
11-25%	150 feet
26-50%	100 feet
>50%	75 feet

Spacing criteria is a general guide. Actual location of waterbreaks should be tailored to the topography and placement suited to the best dispersal of water flow.

