

# Eclipse Complex

## Incident Action Plan

Wednesday, Aug. 16<sup>th</sup> to Thursday, Aug 17<sup>th</sup> 2017

Day Shift 0600 – 2000 & Night Shift 1800 - 0800



### ✓ Transfer of Command Today

- Know the Who, What, When, Where & Why

### ✓ Steep Terrain


- Concentrate on foot placement to limit slips, trips and falls
- Proper spacing of resources to limit exposure
- Go slow to go fast

### ✓ Pre-planning for Medical Emergencies

- What are we going to do if somebody gets hurt?
- How will we get them out of here?
- How long will it take to get them to a hospital?
- Utilize block 6 on Med Plan for your Pre-Plan



**KEEP A HIGH LEVEL OF  
SITUATIONAL AWARENESS**  
Eclipse Complex: CA-KNF-006098 (0505)  
Klamath National Forest

<b>INCIDENT OBJECTIVES</b>	<b>1. Incident Name</b> Eclipse Complex	<b>2. Date</b> 08/15/2017	<b>3. Time</b> 2100
<b>4. Operational Period</b> August 16-17, 2017 DAY / NIGHT SHIFT			
<b><u>CONTROL OBJECTIVES</u></b>			
<p>1) <b>Keep the Oak Fire:</b></p> <ul style="list-style-type: none"> <li>• South of Baldy Mtn. Lookout and the 17N11 Road to protect cultural and natural resources.</li> <li>• West of the 16N10 Road to protect private property and infrastructure.</li> <li>• North of 16N12 Road to protect private property, infrastructure, and cultural resources.</li> <li>• East of Baldy Mtn. Ridge to protect natural and cultural resources.</li> </ul> <p>2) <b>Keep the Cedar, Clear, Prescott, East, and Four-Mile Butte fires:</b></p> <ul style="list-style-type: none"> <li>• Within remote national forest areas to protect heritage, cultural, and natural resources.</li> </ul> <p>3) <b>Confine, contain, or control all new fires commensurate with values at risk.</b></p>			
<b><u>MANAGEMENT OBJECTIVES</u></b>			
<p>1) <b>Provide for public and fire fighter safety by maintaining life first principles.</b></p> <p>2) <b>Implement strategies and tactics that have a high probability of success always taking into consideration responder exposure.</b></p> <p>3) <b>Minimize impacts to cultural resources, infrastructure, and private property.</b></p> <p>4) <b>Establish and strengthen cooperator, partner, and stakeholder relationships.</b></p> <p>5) <b>Provide for timely and accurate incident information via the media, public meetings, &amp; public contacts.</b></p>			
<p><b>6. Weather Forecast for Period</b></p> <ul style="list-style-type: none"> <li>• See attached weather forecast.</li> </ul>			
<p><b>7. General Safety Message</b></p> <ul style="list-style-type: none"> <li>• See attached safety messages.</li> </ul>			
<b>8. Attachments (mark if attached)</b>			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Weather	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> ICS215a	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> Rehab Considerations	
<b>9. Prepared by (Planning Section Chief)</b> Walter Herzog	<b>10. Approved by (Incident Commander)</b> Curtis Coots 		



# ICS 204 Form ASSIGNMENT LIST

# BRANCH-I

1. INCIDENT NAME: <b>Eclipse Complex (Cedar Fire)</b>		3. /DIVISION/GROUP <b>B</b>	
2. OPERATIONAL PERIOD: Day	DATE: 08/16/17	TIME: 0600 – 2000	
4. OPERATIONS PERSONNEL Operations Chief: Alec Lane	Division Supervisor: Jack Sevelson	Branch Director: Curt Lindstrand	

### 5. RESOURCES ASSIGNED THIS PERIOD

RESOURCE DESIGNATOR	LEADER	NUMBER PERSONS	TRANS. NEEDED	DROP-OFF PT/TIME	PICK-UP PT/TIME
HC2IA Klamath C-2	Andy Zink	18	No	ICP/0600	ICP/2000
HC2 Black Eagles C-10 8/21	Nathan Parker	20	No	ICP/0600	ICP/2000
HC2 Black Eagles C-14 8/25	Brian Hicks	20	No	ICP/0600	ICP/2000
HC2 Miller Timber C-11 8/17	Mike Capanna	20	No	ICP/0600	ICP/2000
HC2 Tom Fery C-12 8/17	Glen Segal	20	No	ICP/0600	ICP/2000
HC2 GE Forestry C-5 8/19	Hugo Chaparro	20	No	ICP/0600	ICP/2000
ENG3 Engine 353 E-17 8/24	Lucas Barret	5	No	ICP/0600	ICP/2000
ENG3 Platte Canyon E-90 8/18	Ben Dunning	3	No	ICP/0600	ICP/2000
ENG3 Nesbit 613 E-8 8/24	Vas Naiker	3	No	ICP/0600	ICP/2000
ENG6 K&L Farms E-5 8/24	Ian Shelly	3	No	ICP/0600	ICP/2000
ENG6 Volcano E-11 8/27	Roy Baer	3	No	ICP/0600	ICP/2000
ENG6 Crown Chaser E-6 8/24	Scott Farmer	3	No	ICP/0600	ICP/2000
Chipper T1 Greenhous E-27 8/28		2	No	ICP/0600	ICP/2000
Chipper T1 Patrick E-93 8/23	Ben Castle	2	No	ICP/0600	ICP/2000
FALM Millerwood O-25 8/16	Miller	2	No	ICP/0600	ICP/2000
FALM Millerwood O-26 8/16	Devon Searle	2	No	ICP/0600	ICP/2000
STCR O-23 8/16	Earl Wooten	1	No	ICP/0600	ICP/2000
STCR/STCR (t)	Lafe Martin/Cody Stocker	2	No	ICP/0600	ICP/2000
TFLD/TFLD (t)	C. Medhmer/A. James	2	No	ICP/0600	ICP/2000
SOFR O-56 8/28	Sean Perkins	1	No	ICP/0600	ICP/2000
EMTF O-51 8/17	Blake Scott	1	No	ICP/0600	ICP/2000
EMTF O-50 8/17	Autumn Hoffman	1	No	ICP/0600	ICP/2000

6. CONTROL OPERATIONS:  
Continue to prep 19N01 Road and Dozer Lines.

7. SPECIAL INSTRUCTIONS:

### 8. DIVISION/GROUP COMMUNICATIONS SUMMARY

FUNCTION	Name	Channel	RX Frequency	RX Tone	TX Frequency	TX Tone
Command	Cmd 1	1	163.1500N	13	171.5375N	13
Tactical	Tac 1	2	168.0500N	13	168.0500N	13
Air to Ground	A/G Cmd	7	168.3375N		168.3375N	

9. PREPARED BY (RESOURCE UNIT LEADER): Gary Deboi	APPROVED BY: <i>Walter J. Ferguson</i>	DATE: 8/15/17	TIME: 2200
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<b>DIVISION ASSIGNMENT LIST</b>			1. Branch <b>II</b>		2. Division/Group <b>D</b>		
3. Incident Name <b>Eclipse Complex (Oak Fire)</b>			4. Operational Period Date: August 16, 2017 Time: 0600- 2000				
5. Operations Personnel							
Operations Chief		Alec Lane		Division/Group Supervisor		Tim Ritchey	
Branch Director		Don Fregulia		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader		Number Persons	Trans. Needed	Drop Off PT./Time		Pick Up PT./Time
T1 Lassen HS	Allen Schultze		19	N	ICP / 0600		ICP / 2000
T1 Tallac IHC				N	ICP / 0600		ICP / 2000
T2IA Firestorm C-17				N	ICP / 0600		ICP / 2000
T2 Gunnison River C-1				N	ICP / 0600		ICP / 2000
Dozer E-4				N	ICP / 0600		ICP / 2000
Dozer E-46				N	ICP / 0600		ICP / 2000
HEQB	Stevens		1	N	ICP / 0600		ICP / 2000
Masticator E-5				N	ICP / 0600		ICP / 2000
SOF2 O-14	Mike Frederick	8/29	1	N	ICP / 0600		ICP / 2000
SOFR(t) O-13	Terry Nickerson	8/29	1	N	ICP / 0600		ICP / 2000
SOFR O-56	Greg Powell	8/29	1	N	ICP / 0600		ICP / 2000
EMT O-9	Zachary Brown		1	N	ICP / 0600		ICP / 2000
EMT O-6	James Moreta	8/20	1	N	ICP / 0600		ICP / 2000
Paramedic O-5	Patrick Burton	8/20	1	N	ICP / 0600		ICP / 2000
7. Control Operations Reopen and prep Baldy Mountain to 17N22 road for burnout operations. Safety Officers and EMT's / Paramedics working across all Oak divisions.							
Special Instructions:							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX172.2750N TX164.7000N	Orange	1	Air to Ground	RX166.8750N TX166.8750N	A/G 08	7
Tactical Div/Group	RX 168.2000 TX 168.2000	TAC 2	2				
Prepared by (Resource Unit Leader) Gary R. Deboi		Approved by (Planning Section Chief) Walt Herzog		Date August 16, 2017		Time 2100	

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch <b>II</b>		2. Division/Group <b>F</b>		
3. Incident Name <b>Eclipse Complex (Oak Fire)</b>			4. Operational Period Date: August 16, 2017      Time: 0600- 2000				
5. Operations Personnel							
Operations Chief		Alec Lane		Division/Group Supervisor		Richard Inghram	
Branch Director		Don Fregulia		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader		Number Persons	Trans. Needed	Drop Off PT./Time		Pick Up PT./Time
T1 Smith River IHC			20	N	ICP / 0600		ICP / 2000
T1 Feather River IHC			20	N	ICP / 0600		ICP / 2000
T2 Mosqueda			20	N	ICP / 0600		ICP / 2000
E-24			3	N	ICP / 0600		ICP / 2000
E-13			3	N	ICP / 0600		ICP / 2000
E-12			3	N	ICP / 0600		ICP / 2000
SOF2 O-14	Mike Frederick	8/29	1	N	ICP / 0600		ICP / 2000
SOFR(t) O-13	Terry Nickerson	8/29	1	N	ICP / 0600		ICP / 2000
SOFR O-56	Greg Powell	8/29	1	N	ICP / 0600		ICP / 2000
EMT O-9	Zachary Brown		1	N	ICP / 0600		ICP / 2000
EMT O-6	James Moreta	8/20	1	N	ICP / 0600		ICP / 2000
Paramedic O-5	Patrick Burton	8/20	1	N	ICP / 0600		ICP / 2000
7. Control Operations Prep 17N22 road and hold backing fire. Contain and control spots within dozer line and 17N22 road. Reopen road systems. Safety Officers and EMT's / Paramedics working across all Oak divisions.							
Special Instructions:							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX172.2750N TX164.7000N	Orange	1	Air to Ground	RX166.8750N TX166.8750N	A/G 08	7
Tactical Div/Group	RX 168.2000 TX 168.2000	TAC 2	3				
Prepared by (Resource Unit Leader) Gary R. Deboi			Approved by (Planning Section Chief) Walt Herzog			Date August 16, 2017	Time 2100



<b>DIVISION ASSIGNMENT LIST</b>			1. Branch <b>II</b>		2. Division/Group <b>Z</b>		
3. Incident Name <b>Eclipse Complex (Oak Fire)</b>			4. Operational Period Date: August 16, 2017      Time: 0600- 2000				
5. Operations Personnel							
Operations Chief		Alec Lane		Division/Group Supervisor		Mike Sherman	
Branch Director		Don Fregulia		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader		Number Persons	Trans. Needed	Drop Off PT./Time		Pick Up PT./Time
T1 Tahoe IHC	Guerrero		20	N	ICP / 0600		ICP / 2000
T1 Beckwourth IHC			20	N	ICP / 0600		ICP / 2000
T1 Plumas IHC			20	N	ICP / 0600		ICP / 2000
T2IA Lava River			20	N	ICP / 0600		ICP / 2000
ST SHF 3675C	Liz Younger / Adam Zacharis (f)		27	N	ICP / 0600		ICP / 2000
Dozer E-44			3	N	ICP / 0600		ICP / 2000
Dozer E-45				N	ICP / 0600		ICP / 2000
HEQB	Beach		1	N	ICP / 0600		ICP / 2000
HEQB O-68	Casey Rustenhoven		1	N	ICP / 0600		ICP / 2000
SOF2 O-14	Mike Frederick	8/29	1	N	ICP / 0600		ICP / 2000
SOFR(f) O-13	Terry Nickerson	8/29	1	N	ICP / 0600		ICP / 2000
SOFR O-56	Greg Powell	8/29	1	N	ICP / 0600		ICP / 2000
EMT O-9	Zachary Brown		1	N	ICP / 0600		ICP / 2000
EMT O-6	James Moreta	8/20	1	N	ICP / 0600		ICP / 2000
Paramedic O-5	Patrick Burton	8/20	1	N	ICP / 0600		ICP / 2000
7. Control Operations							
Complete handline from 17N22 to 16N10.							
Prep 17N22 for burnout.							
Construct contingency line from 16N31 to Oak Flat Creek							
Safety Officers and EMT's / Paramedics working across all Oak divisions.							
Special Instructions:							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX172.2750N TX164.7000N	Orange	1	Air to Ground	RX166.8750N TX166.8750N	A/G 08	7
Tactical Div/Group	RX 168.2000 TX 168.2000	TAC 2	4				
Prepared by (Resource Unit Leader) Gary R. Deboi		Approved by (Planning Section Chief) Walt Herzog		Date August 16, 2017		Time 2100	

# ICS 204 Form ASSIGNMENT LIST

**BRANCH - II**

<b>1. INCIDENT NAME:</b> <b>Eclipse Complex (Clear Fire)</b>		<b>3. DIVISION/GROUP</b> <b>A / C / M</b>
<b>2. OPERATIONAL PERIOD:</b> Day	<b>DATE:</b> 08/16/17	<b>TIME:</b> 0600 - 2000
<b>4. OPERATIONS PERSONNEL</b> Operations Chief: Alec Lane	Task Force Leader: Abel Mattson	

**5. RESOURCES ASSIGNED THIS PERIOD**

RESOURCE DESIGNATOR	LEADER	NUMBER PERSONS	TRANS. NEEDED	DROP-OFF PT/TIME	PICK-UP PT/TIME
HC2 GE Forestry C-4 8/19	Raul Chaparro	20	N	ICP / 0600	ICP / 2000
HC2 Pacific Oasis C-58 8/21	William Dietz	20	N	ICP / 0600	ICP / 2000
HC2 GE Forestry C-6 8/19	Pedro Chaparro	20	N	ICP / 0600	ICP / 2000
ENG3 324 E-29 8/16	Alex Barrera	5	N	ICP / 0600	ICP / 2000
ENG3 KNF-26	T. Koch	5	N	ICP / 0600	ICP / 2000
ENG3 Mt Adams 300 E-71	Don Holter	4	N	ICP / 0600	ICP / 2000
ENG6 Mt Adams 623 E-72	Paula Holter	3	N	ICP / 0600	ICP / 2000
WT Tobiasson E-52 8/19	Raynold Tobiasson	2	N	ICP / 0600	ICP / 2000
WT White Logging E-51 8/21	Tom White	1	N	ICP / 0600	ICP / 2000
Chipper Valley Timber E-92 8/23	Jeremiah Coleman	2	N	ICP / 0600	ICP / 2000
EMT O-48	Bill Walls 8/18	1	N	ICP / 0600	ICP / 2000
EMT O-84	Chris Ingalls	1	N	ICP / 0600	ICP / 2000

**6. CONTROL OPERATIONS:**  
Mop up areas threatening containment.  
Patrol fire perimeter.  
Identify areas for suppression repair.  
Backhaul excess equipment.

**7. SPECIAL INSTRUCTIONS:**

**8. DIVISION/GROUP COMMUNICATIONS SUMMARY**

FUNCTION	Name	Channel	RX Frequency	RX Tone	TX Frequency	TX Tone
Command	Clear Cmd	1	173.0375N	5	167.3250N	5
Tactical	Tac 2	3	166.7250N	12	166.7250N	12
Air to Ground	A/G	7	170.0000N		170.0000N	

<b>9. PREPARED BY (RESOURCE UNIT LEADER):</b> Gary R. Deboi	<b>APPROVED BY:</b> Walt Herzog	<b>DATE:</b> 8/16/17	<b>TIME:</b> 2200
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<b>DIVISION ASSIGNMENT LIST</b>				1. Branch <b>II</b>		2. Division/Group <b>ALL - NIGHT</b>	
3. Incident Name <b>Eclipse Complex (Oak Fire)</b>				4. Operational Period Date: August 16-17, 2017      Time: 1800-0800			
5. Operations Personnel							
Operations Chief				Division/Group Supervisor			
Branch Director		Don Fregulia		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader		Number Persons	Trans. Needed	Drop Off PT./Time		Pick Up PT./Time
T2IA Elk Mountain HS	Reynaldo Reyes		8/29 21	N	Per OPS		Per OPS
T2IA Cooper			20	N			
T2IA Zuni	Carmen Goseyun		8/28 20	N			
ENG3 TMU Engine 44			8/25				
ENG3 Utah Engine 11	Patrick Carlson		5	N			
ENG3 PNF 16							
ENG3 PNF 26							
ENG3 PNF 323							
7. Control Operations Secure fire edge and patrol.							
Special Instructions: See safety message.							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX 172.2750N TX 164.7000N	Orange	1	Air to Ground	RX 166.8750N TX 166.8750N	A/G 08	7
Tactical Div/Group	RX TX						
Prepared by (Resource Unit Leader) Gary R. Deboi		Approved by (Planning Section Chief) Walt Herzog		Date August 16, 2017		Time 2100	



Spot Forecast for Eclipse Complex 8\_15 day  
Spot Forecast for Eclipse Complex

..Gusty northeast winds and poor humidity recovery on upper slopes and ridgetops the next several nights...

.DISCUSSION...A thermal trough will strengthen across northern California through Thursday. This will cause gusty northeast winds with poor humidity recovery for at least the next several nights, especially for upper slopes and ridges. Most of the terrain below the upper slopes and ridgetops will feature terrain driven upslope/downslope flows during the day/night. Wednesday afternoon winds will be particularly gusty from the north to northeast. Additionally, any north to south drainages could become especially gusty Wed afternoon. Rapid drying combined with gusty winds could cause "sleeper" fires to awaken from the past week. It will remain dry through the week and temperatures will increase each day by several degrees. Temperatures by Friday afternoon will be 5 to 10 degrees above normal. Slight cooling is expected this weekend, but only a couple of degrees on average for inland locations.

.WEDNESDAY...

Sky/weather.....Sunny. Areas of smoke.  
Max temperature.....Valleys: 90 to 95.  
Ridgetop: 80 to 85.  
Min humidity.....16 to 24 percent.  
WIND (20 FT).....Lower to upper slopes: Upslope 4 to 8 mph with gusts 12 mph.  
Ridgetop: Northeast 6 to 12 mph with gusts to 18 mph early becoming north-northeast 8 to 14 mph with gusts to 20 mph in the afternoon.  
Mixing height.....500 ft AGL increasing to 6000 ft AGL.  
Transport winds.....Northeast around 10 mph.  
CWR.....0 percent. LAL.....1.


.WEDNESDAY NIGHT...

Sky/weather.....Clear. Areas of smoke.  
Min temperature.....Around 59.  
Max humidity.....Lower slopes/valleys: 50 to 60 percent.  
Upper slopes and ridges: 35 to 45 percent.  
WIND (20 FT).....Lower to upper slopes: Downslope 1 to 3 mph.  
Ridgetop: Northeast 6 to 12 mph with gusts to 18 mph.  
Mixing height.....500 ft AGL overnight. Transport winds.....Northeast around 10 mph.  
CWR.....0 percent. LAL.....1.

.THURSDAY...

Sky/weather.....Sunny. Areas of smoke.  
Max temperature.....Valleys: 92 to 97.  
Ridgetop: 82 to 87.  
Min humidity.....14 to 22 percent.  
WIND (20 FT).....Lower to upper slopes: Upslope 4 to 8 mph with gusts 12 mph.  
Ridgetop: East-northeast 6 to 12 mph with gusts to 20 mph early becoming north 6 to 10 mph with gusts to 16 mph in the afternoon.  
Mixing height.....500 ft AGL increasing to 6000 ft AGL.  
Transport winds.....Northeast becoming north around 10 mph.  
CWR.....0 percent. LAL.....1.

## FIRE BEHAVIOR FORECAST

<b>FORECAST NUMBER 1</b>	<b>TYPE OF FIRE: Wildland Fire</b>
<b>FIRE NAME: Eclipse Complex</b>	<b>OPERATIONAL PERIOD: Day shift August 16, 2017</b>
<b>DATE ISSUED: August 15, 2017</b>	<b>TIME ISSUED: 1900</b>
<b>UNIT: Klamath NF</b>	<b>SIGNED: Bob Patton</b> <b>FBAN</b> 

**WEATHER SUMMARY:** *\*\*\*Please See attached Fire Weather Forecast\*\*\**

**Max Temp:** Valleys 90-95  
Ridgetops: 80-85

**Min RH:** 16-24%

**Winds:** 20'

Slope/valley: Upslope/upvalley 4-8 mph with gusts to 12 mph

Ridgetop winds: Northeast 6-12 mph with gusts to 18 possible in the early becoming north-northeast 8-14 mph.

### GENERAL

The Eclipse Complex consists of four fires: Clear, Cedar, Oak and Prescott. The most active fires are the Cedar and Oak. The fires are burning in mostly timber with little or no recent fire history with the exception of the Oak which has recent fire history in a portion of it with heavy brush and snags.

ERC's for the predictive service area are 61 around the 84<sup>th</sup> percentile, down from the 94<sup>th</sup> percentile over a week ago.

ERC's at Oak Knoll are 59 around the 83<sup>rd</sup> percentile down from the 94<sup>th</sup> percentile over a week ago.

Live fuel moisture is approximately 97-180% in Manzanita, and 116-118% in Tan Oak.

**Probability of ignition 60-90% depending on aspect and shading**

### SPECIFIC FIRE BEHAVIOR

**Cedar Fire:** Fire behavior in the morning under the inversion should be minimal with slow backing with slow forward rate of spread in available fuels prior to the smoke lifting out. As the smoke lifts out fire activity could increase in unshaded areas in alignment with the wind. Expect individual tree torching with some active surface fire. Gusty afternoon NNE winds that are in alignment with fuels and drainages could experience enhanced fire behavior throughout the afternoon and evening.

**Oak Fire:** Fire behavior in the morning under the inversion should be minimal with slow backing with slow forward rates of spread in available fuels. Fuels will continue to burn out from yesterdays firing operation. Expect surface fire runs with occasional torching. Gusty NNE winds in the afternoon that are in alignment with available fuels and drainages could experience enhanced fire behavior in the afternoon and evening. Expect poor night time humidity recovery.

**Clear Fire:** Minimal fire activity is anticipated

**Prescott Fire:** Fire will continue to be monitored

### AIR OPERATIONS

Smoke inversion could hamper air operations in the morning and throughout the shift

### SAFETY

Watch for fire weakened trees especially on steep slopes with poor footing

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name: Cedar		Date/Time Prepared: 8/15/2017 1800		Operational Period Date/Time: Day/Night Day 8/16/2017 0600-2000			
Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/NAC	Mode	Remarks
1	CEDAR COMMAND 1	Cmd 1	Primary Command	163.1500N	13	171.5375N	13		Tone Guarded Tone 13 141.3
2	CEDAR TACTICAL	Tac 1	Division B	168.0500N	13	168.0500N	13		Tone Guarded Tone 13 141.3
3	CEDAR TACTICAL	Tac 2	Division G	168.6000N	13	168.6000N	13		Tone Guarded Tone 13 141.3
4	CEDAR TACTICAL	Tac 3	Division H	166.7750N	13	166.7750N	13		Tone Guarded Tone 13 141.3
5	CEDAR TACTICAL	Tac 4	Division W	168.2500N	13	168.2500N	13		Tone Guarded Tone 13 141.3
6	CEDAR COMMAND	Cmd 2	Secondary Command	172.2750N		164.7000N	11		Tone Guarded Tone 11 114.8
7	CEDAR AIR TO GROUND COMMAND	A/G Cmd	Primary Air to Ground	168.3375N		168.3375N			No Tones
8	CEDAR AIR TO GROUND	A/G Tac	Air to Ground	164.0125N		164.0125N			No Tones
9	CALCORD	Calcord	Emergency	156.0750	6	156.0750	6		Use for communications with medical helicopters
16	AIR GUARD	AIR EMG ONLY	All Division	168.6250		168.6250	1		Tone 1 110.9
				Incident Location County SISKIYOU		State CA			

5. Prepared by (Communications Unit)  
John Chapman *J.A. Chapman*

<b>INCIDENT RADIO COMMUNICATIONS PLAN</b>		1. Incident Name <b>OAK FIRE</b>	2. Date/ Time Prepared 8/15/2017 1800	3. Operational Period Date/Time 8/16-17/2017 0600-2000, 1800-0800
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4. Basic Radio Channel Utilization

Radio Type/Cache	Channel	Function	Frequency/Tone	Mode	Assignment	Remarks
King NIFC	1	ORANGE	RX 172.2750 TX 164.7000 NO TONE TONE 131.8	Narrow	ALL DIVISIONS	KNF ORANGE REPEATER BALDY
King NIFC	2	TAC 2	RX 168.2000 TX 168.2000 NO TONE NO TONE	Narrow	DIV D	DIVISION D
King NIFC	3	TAC 2	RX 168.2000 TX 168.2000 NO TONE NO TONE	Narrow	DIV F	DIVISION F
King NIFC	4	TAC 2	RX 168.2000 TX 168.2000 NO TONE NO TONE	Narrow	DIV Z	DIVISION Z
King NIFC	5			Narrow		
King NIFC	6			Narrow		
King NIFC	7	A/G 08	RX 166.8750 TX 166.8750 NO TONE NO TONE	Narrow	ALL DIVISIONS	ALL OAK FIRE DIVISIONS
King NIFC	8			Narrow		
King NIFC	9			Narrow		
King NIFC	10			Narrow		
King NIFC	11			Narrow		
King NIFC	12			Narrow		
King NIFC	13			Narrow		
King NIFC	14			Narrow		
King NIFC	15	CALCORD	RX 156.0750 TX 156.0750 TONE 156.7 TONE 156.7	Narrow	CALCORD	AIR MEDICAL
King NIFC	16	AIR GUARD	RX 168.6250 TX 168.6250 NO TONE Tone 110.9	Narrow	ALL DIVISIONS	AIR EMERGENCY ONLY

5. Prepared by John Chapman NORCAL y COML *John Chapman* **NOTE: Make sure the squelch knob is turned all the way to the left indent. This activates the RX Tone Guard**  
 ICS 205 Controlled Unclassified Information//Basic NFES 1330

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name: Clear			Date/Time Prepared: 8/15/17 1800		Operational Period Date/Time: Day/Night Day 8/16/2017 0600-2000		
Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/NAC	Mode	Remarks
1	COMMAND 1	Clear Cmd	Primary Command	173.0375N	5	167.325N	5		Tone 5 146.2
2	TACTICAL	Tac 1	Staging	168.2500N	12	168.2500N	12		Tone Guarded Tone 12 127.3
3	TACTICAL	Tac 2	Division A/C/M	166.7250N	12	166.7250N	12		Tone Guarded Tone 12 127.3
4	TACTICAL	Tac 3	Division Q	168.050N	12	168.050N	12		Tone Guarded Tone 12 127.3
5	TACTICAL	Tac 4	Division H	166.7750N	12	166.7750N	12		Tone Guarded Tone 12 127.3
6	COMMAND 2	Cmd 2	Orange Repeat	172.2750N		164.7000N	3		Tone 3 131.8 Use for Medical emergencies
7	AIR TO GROUND TACTICAL	A-G Tac	All Divisions	170.0000N		170.0000N			
8	AIR TO GROUND COMMAND	A/G Cmd	All Divisions	164.8375N		164.8375N			
9	CALCORD	Calcmd	Emergency	156.0750	6	156.0750	6		Use for communications with medical helicopters
16	AIR GUARD	AIR EMG ONLY	All Division	168.6250		168.6250	1		Tone 1 110.9
5. Prepared by (Communications Unit) John Chapman				Incident Location County SISKIYOU		State CA			

*John Chapman*



# AIR OPERATIONS SUMMARY

PREPARED BY: Jim Gould  
 PREPARED DATE/TIME: 08/15/2017 1500

1. INCIDENT NAME: Eclipse Complex		2. OPERATIONAL PERIOD DATE: 08/16/2017		START TIME: 0700	END TIME: 2000	SUNRISE: 0623	SUNSET: 2011
3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.) Possible low wires & cables unidentified in the river corridor. Rafters on the Klamath River. Limited visibility due to smoke Ensure all Pilots are briefed on appropriate frequencies before launching when assigned/ordered to the various TFR's and/or IA's Aircraft Resource Sharing with Orleans Complex out of Scott Valley Helibase Hoist Rescue Operating Hours 24 Hour Staffed H-407 CELL# [657]-464-7830							
4. MEDEVAC H-503 @ Happy Camp Helibase H-407 @ Scott Valley Helibase				5. TFR: # 7/9993 Altitude: 8000 feet MSL Radius: 30nm TFR Freq: 128.175 Happy Camp Airport Unicom: 122.9 Scott Valley Airport Unicom: 122.8 Scott Valley Temp Tower: 128.625			

6. PERSONNEL	Phone	7. FREQUENCIES			AM	FM	8. FIXED-WING Airtankers:	# Avail / Type/ Make-Model / FAA N# / Base(s)
		AIR/AIR						
Eclipse ASGS: Jim Gould	530-598-4132				169.1500		Available through YICC	
Orleans AOB: Ted Visser	619-981-2409							
Orleans ASGS: Randy Carter	501-802-6708							
		CEDAR: A/G TAC			164.0125			
		CEDAR: A/G CMD			168.3375			
		OAK/CLEAR: A/G TAC			170.0000			
KNF FAO - Jeff Keiser	530-598-1590	OAK/CLEAR: A/G CMD			164.8375			
							ATGS Aircraft:	N600WS F/W Todd White 530-263-5621
Scott Valley HEB1 Roger Caballero	530-277-6804							N109Z R/W Gus Johnson 559-708-3570
Scott Valley HEB1 (T) Paul Hart	530-260-0201							
		DECK:			163.1000			
HELCO - Bill Lampert	530-598-4128							Happy Camp Helibase 530-493-1779
Orleans Air Ops Trailer - ICP	619-359-3344							Happy Camp Helibase: Fax: 530-493-5385
		AIR GUARD:						Scott Valley Helibase: 530-468-1293/1294
								Scott Valley Helibase Fax: 530-468-2118

## 9. HELICOPTERS:


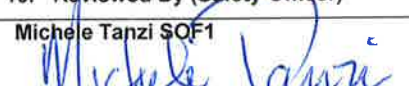
FAA N#	TY	MAKE/MODEL	BASE	AVAILABLE	START	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	AVAILABLE	START	REMARKS
6HT	I	S-64	Scott Valley	0830	0800	TANKED	IKA	I	KMAX	Scott Valley	0830	0800	BUCKET
25M	I	S-64	Scott Valley	0830	0800	TANKED	9RH	I	KMAX	Scott Valley	0830	0800	BUCKET
XFT	I	KMAX	Scott Valley	0830	0800	BUCKET	3HX	I	KMAX	Scott Valley	0830	0800	BUCKET
2WM	I	KMAX	Scott Valley	0830	0800	BUCKET	H510	II	B-205++	Scott Valley	0830	0800	BUCKET

H514	II	B-205++	Scott Valley	0830	0800	BUCKET	8MB	III	ASTAR	Scott Valley	0830	0800	HELCO
H516	II	B-205++	Scott Valley	0830	0800	BUCKET	6TA	III	BELL 407	Scott Valley	0830	0800	HELCO
H407	II	UH-1H	Scott Valley	0830	0800	HELCO	H503	III	BELL 407	Happy Camp	0800	0700	IA/RECON
7AC	III	BELL 407	Scott Valley	0830	0800	Mapping/IR							

**0. TASK/MISSION/ASSIGNMENT (Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, S&R, etc.)**

TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (if applic) OR INSTRUCTIONS FOR TACTICAL AIRCRAFT										MISSION START	FLY FROM	FLY TO
Bucket drops per request	Division Sup. To request and coordinate with Air Attack and/or Helco												
Recon Flights	To be approved by IC/OPS												
Cargo / Sling	Per Request from Div. Sups - all sling loads / crew shuttles												
MEDIVAC	Request thru ICP Communications & MEDL on Command. Refer to ICS-206 Medial Plan within the IAP.												

# MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name		2. Operational Period						
<b>Eclipse Complex</b>		Date/Time <b>8/16-8/17 Day 0600-2000 Night 1800-0800</b>						
<b>3. Ambulance Services</b>								
Name	Location	Phone & EMS Frequency	Advanced Life Support (ALS) Yes No					
Shasta Ambulance Unit <b>79</b>	ICP	Contact on Command	X					
Happy Camp Amb. Unit 22	26 4 <sup>th</sup> Ave Happy Camp CA	530-493-2643 or 530-842-3380	X					
<b>4. Air Ambulance Services (COORDINATE with AIR AMBULANCES on CALCORD tone 6)</b>								
Name	ETA	Phone	Type of Aircraft & Capability					
Kern H-407(ALS)	30 min	657-464-7830 (Direct)	Hoist Rescue – Scott Valley, CA Day/Night					
Lifenet 34(ALS)	35 min	530-842-3380 (YICC)	Air Ambulance – Montague, CA Day/Night					
Reach/PHI(ALS)	60 min	530-842-3380 (YICC)	Air Ambulance- Redding, CA Day/Night					
Cal-Fire H-102(BLS)	30 min	530-842-3380 (YICC)	Hoist Rescue– Kneeland, CA Day					
Coast Guard(BLS)	2 hrs	530-842-3380 (YICC)	Hoist Rescue – Eureka, CA Day/Night					
<b>5. Hospitals</b>								
Name & Level	GPS Datum – WGS 84 Degrees Decimal Minutes		Travel Time Air Gnd		Phone	Helipad Yes No	Address	
Fair Child Medical Ctr.	Lat:	N41°43.173	20 min	1.5 hrs	530-842-4121		X	444 Bruce St Yreka, CA
	Long:	W122°38.75						
	VHF:							
Asante Rogue Valley Memorial. Level II Trauma Center	Lat:	N42°519.08	15 min	2 hrs	541-789-7132	X		2825 Barnett Rd, Medford, OR
	Long:	W122°49.91						
	VHF:							
Mercy Medical Center Level II Trauma Center	Lat:	N40°34.33	60 min	3 hrs	530-225-7201	X		2175 Rosaline Ave, Redding, CA
	Long:	W122°23.80						
	VHF:							
UC Davis Level I Trauma/Burn Center	Lat:	N38°33.17	1.5 hrs	6 hrs	916-734-3636 916-734-3790	X		2315 Stockton Blvd. Sacramento, CA
	Long:	W121°27.21						
	VHF:							
<b>6. Division / Crew Pre-plan. Update and discuss with assigned resources daily</b>								
Crew EMTs & Equipment		Happy Camp Airport Lat: 41°47.448W Long: 123°23.238						
Fireline EMTs & Location Adv. Life Support?								
Air Hoist site: Lat: / Long:								
Helispot: Lat: / Long:								
Alternate/No-fly plan:								
<b>7. Remote Aid Stations</b>								
<b>Medical Unit– ICP Happy Camp</b>  N41°47.48 W123° 22.15		Point of Contact:			MEDL- Steve McGary 559-970-4600			
		EMS Responders & Capability:			Frontline- Advanced Life Support			
		Equipment Available on Site:			Medical supplies			
		Ambulance ETA:			Air – 30 min. Ground – 5 min.			
<b>8. Prepared By (Medical Unit Leader)</b>			<b>9. Date/Time</b>		<b>10. Reviewed By (Safety Officer)</b>		<b>11. Date/Time</b>	
Steve McGary MEDL(t) 			8/15/2017 2000		Michele Tanzi SOF1 		8/15/17 2000	

# MEDICAL PLAN (ICS 206 WF)

## Medical Incident Report

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

**1. CONTACT COMMUNICATIONS DECLARE: "MEDICAL EMERGENCY" OR "NON-EMERGENCY MEDICAL TRANSPORT"**

*Ex: "Communications, Div. Alpha. Stand-by for a medical emergency on Div. Alpha" (If life threatening request designated frequency be cleared for emergency traffic.)*

**2. INCIDENT STATUS:** *Provide incident summary and command structure.*

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

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

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

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

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

**5. TRANSPORT PLAN:**

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

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

**Ground Transport:**

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

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

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

**7. COMMUNICATIONS:**

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

**8. EVACUATION LOCATION:**

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

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

\_\_\_\_\_

\_\_\_\_\_

**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.

## Eclipse Complex - Incident Risk Analysis (215a)

Div.	LCES Analysis of Tactical Applications (Hazardous Actions or Conditions)	LCES Mitigations/Warnings/Remedies
All	Transfer of Command	<b>Ensure you receive a good, complete briefing prior to engagement.</b> Ensure you understand the Medical Plan & Communications Plan If spiking, test Commo with Eclipse Communications for viability.
All	Bees (aka Wasps & Hornets), & Snakes	<b>Known areas? Flag off and Communicate to affected resources.</b> Pre-Identify those resources with known allergies. Pre-plan your response (Epi-Pen's, Benadryl supply, Medical personnel etc).
All Personnel Includes ICP	Heat Related Illness/Injuries	STAY HYDRATED before, during and after shift. "Energy Drinks" such as Monster, Red Bull or Rockstar contribute to heat injuries and should not be consumed. <b>Pre-Plan the needs of your crews.</b> Stage more water and Electrolyte drinks along your work area.
All	Extreme Driving Concerns	Narrow, steep, unforgiving native surfaced roads within the fire area. You <b>NEED</b> to slow down and <b>Expect the Unexpected!</b> You <b>MUST</b> drive with caution. Maintain good sight/reaction distance. <b>Headlights ON! Seatbelts ON!</b>
All	Fire Behavior	Preplan! Identify Trigger Points! How long will it take you to get back to your vehicles and exit the area safely? <b>Know your escape routes as the situations change.</b>
All	Steep Terrain	Ensure secure footing. Keep appropriate work spacing. <b>Focus!</b> Concentrate on foot placement to limit slips, trips and falls.
OAK	Working with Heavy Equipment	Stay at least 100' in front and 50' behind the equipment. In Timber, distances should be increased to 2½ times the tallest tree height. Avoid working below equipment. Make eye contact with operator: blade down, idle down, before approaching.
All	Difficult terrain and conditions for providing for emergency medical needs.	<b>Review Med Plan before the need arises.</b> Limit high risk activities. Have a backup plan AND don't depend solely on air resources. Practice the "What if" scenarios.
All	Danger Trees within Fire Area & Routes to work areas	<b>Old fire scars. Fire weakened trees, shallow root systems, widow makers. Be aware of bind when cutting jackstrawed timber.</b> Watch out when traveling/working during windy conditions. <b>Limit exposure.</b> Mitigate if safe. Use qualified fallers.
All	Poison Oak Exposure	Know what it looks like. "Leaves of three, let it be" Change or launder Nomex frequently. <b>Ensure proper Personal Hygiene</b>
All	Personal Protective Equipment	<b>ALL</b> Personnel are reminded to wear PPE when in route to and from the fire and within the fires perimeter. <b>Insure PPE is compatible with hazards and risks.</b>
All	Hygiene	<b>Wash Hands prior to eating and after using the toilet facilities.</b> Clean out ice chests with soap, bleach & water.
All	Wildlife	Watch for elk, deer and bears crossing roadways. Numerous sightings. <b>Especially active around Dusk &amp; Dawn</b>

Date & Time Prepared: August 15<sup>th</sup>, 2017 @ 2100

Operational Period: August 16, 2017 from 0600 - 2000

Prepared By: Michele Tanzi - SOF1, Jeff Barnhart - SOF2

Operational Period: August 17, 2017 from 1800 - 0800

CA-KNF-006098 (0505), P5K9QB

**Klamath National Forest**

Northern California Incident Management Team 1





## **Fatigue/Stress**

*Firefighter Health & First Aid*

Accumulated (Chronic) Fatigue is defined as fatigue from which normal rest does not produce recovery. Accumulated fatigue is often caused by extended periods of stress with inadequate recovery periods, which results in decreased productivity, compromised immune function, and reduced alertness. Fatigued workers perform poorly, behave carelessly, tolerate greater errors and become inattentive. Chronic fatigue often results in increased stress, which may present itself through certain behavioral and physiological indicators, such as those described below:

• Behavioral indicators

- Decreased motivation and low morale
- Increased irritability and depression

• Physiological indicators

- Confused, poor problem solving
- Poor abstract thinking
- poor attention/decisions
- poor concentration/memory
- extreme emotional responses
- social/behavioral changes

• Recommendations for chronic fatigue/stress are:

- Take longer periods of rest/recovery
- Ensure that workers are adequately rested before they begin work shifts
- Provide periodic rest breaks to allow physical and mental recovery
- Alternate between heavy and light tasks
- Eat well-balanced meals regularly, with energy supplements during periods of high exertion
- Maintain hydration
- Ensure workers maintain good personal hygiene
- Maintain high standards of physical fitness and work capacity
- In extreme cases, personnel may need to be relieved of their duties

References:

Wildland Firefighter Health & Safety Report, Missoula Technology & Development Center

1) Spring 2004

2) Fall 2000

3) Fatigue Awareness PowerPoint

CISM Information Pamphlet, International Critical Incident Stress Foundation, [www.icisf.org](http://www.icisf.org)

**Have an idea? Have feedback? Share it.**

EMAIL | Facebook | MAIL: 6 Minutes for Safety Subcommittee • 3833 S. Development Ave • Boise, ID 83705 | FAX: 208-387-5250



# Training specialist Message

If you are a Trainee on the incident and have not checked in with the TNSP, please take the time to do so. Please bring the following items for a successful check in process with the Training Specialist:

- Your agency Certification card (Red Card)
- Your initiated Position Task Book
- A completed Trainee data worksheet (available at the TNSP office if needed)

Please contact the TNSP office if you need any assistance.

Thank you  
Greg Kurtz TNSP

Date & Time Order was placed:		Order #	Location & Time for Delivery (DIV,LZ,DP,Lat Long)		Mode of delivery
		(DIVS+#)			(Driven/Helo/DIVS to Pick up)
			Lat:		
			Long:		
Order received in Communications by (Name):					Time:
Order shipped to line by (Name): (Send this sheet to the line with the order)					Time:
#	Item				
1	<b>1,000 Foot Hose Lay includes the following: Amount_____</b>				
	10, 100'x1½" Rolls Hose; 10, 100'x1" Rolls Hose; 10, 1½" Gated Wyes; 10, 1½" to 1" reducers; 10, 1" nozzles				
2	<b>2,000 Foot Hose Lay includes the following: Amount_____</b>				
	20, 100'x1½" Rolls Hose; 20, 100'x1" Rolls Hose; 20, 1½" Gated Wyes; 20, 1½" to 1" reducers; 20, 1" nozzles				
3	<b>3,000 Foot Hose Lay includes the following: Amount_____</b>				
	30, 100'x1½" Rolls Hose; 30, 100'x1" Rolls Hose; 30, 1½" Gated Wyes; 30, 1½" to 1" reducers; 30, 1" nozzles				
#	Item	Amount	#	Item	Amount
4	Hose (50') garden, 3/4"		30	Gas Unleaded (Gallons)	
5	Hose (100'), 1"		31	Oil 2 cycle, (Pints)	
6	Hose (100'), 1½"		32	Bar Oil (Qts)	
7	Nozzle, Garden, 3/4"		33	Drip Torch ea	
8	Nozzle, Forester, 1"		34	Drip torch mix 3.5:1.5 (gallon)	
9	Nozzle, KK Type, 1"		35	Fusees (Boxes or cases)???	
10	Nozzle, KK Type, 1½"		36	Flare Gun Rounds (12/BX)	
11	Wye, Gated, 3/4"		37	Cartridge #6 purple (box)	
12	Wye, Gated, 1"		38	Batteries "AA" PKGs(24/PKG)/BX	
13	Wye, Gated, 1½"		39	Ribbon, Flagging (Specify Color)*	
14	Inline-Tee, 1x1x3/4"		40	Water, Cubies	
15	Inline-Tee, 1x1x1"		41	Water, Bottled, Cases	
16	Inline-Tee (1½" X 1")		42	Gatorade	
17	Reducer, 1" X 3/4"		43	MRE's (12/BX)	
18	Reducer, 1½" X 1"		44	Heavy Mill Plastic	
19	Increaser, 3/4" X 1"		45	Washcloth, waterless, cleansing	
20	Increaser, 1" X 1½"		46	Wrap, Structure 54"x300'	
21	Foam 5 gal		47	Sprinkler Kit	
22	Foam 4 oz (For Backpack Pump)		48	Mark 3 Pump	
23	Backpack Pump		49	Mark 3 Pump Kit- w/10 gal mixed fuel	
24	Pumpkin (Gallons?)		50	Chainsaw Kit	
25	Porta-Tank (Gallons?)		51	Mop-Up Kit, 3-Wand	
26	Shovel		52	Pump Kit, Lightweight, 2 Cycle	
27	Pulaski		53	Gas, Raw and 2 qts 2-cycle oil, ea	
28	Combi Tool		54	Lightweight Pump Kit-Cache w/5gal fuel	
29	McCloud		55	Gas, raw (gal) and 1 qt 2-cycle oil, ea.	
Notes:			Notes:		



