

# Eclipse Complex

## Incident Action Plan

Wednesday, Aug 23<sup>rd</sup> to Thursday, Aug 24<sup>th</sup> 2017  
Day Shift 0600 – 2000 & Night Shift 1800 - 0800



**This five step process provides firefighters with a simple, universal, and consistent way to practice risk management.**

- Establish situational awareness
- Identify hazards and assess the risk
- Control or eliminate hazards
- Make decisions based on acceptability of remaining risk
- Evaluate the effectiveness of hazard controls and continuously re-evaluate the situation



**KEEP A HIGH LEVEL OF  
SITUATIONAL AWARENESS**

Eclipse Complex: CA-KNF-006098 (0505), P5K9QB  
Klamath National Forest



INCIDENT OBJECTIVES	1. Incident Name Eclipse Complex	2. Date 08/22/2017	3. Time 2000
4. Operational Period August 23-24, 2017 DAY / NIGHT SHIFT			
<p><b>CONTROL OBJECTIVES</b></p> <p>1) Keep the Oak Fire:</p> <ul style="list-style-type: none"> <li>• South of Kelly Lake Road (18N30) to protect, infrastructure, private property, cultural, and natural resources.</li> <li>• West of the 17N22 Road, indirect ridgetop dozer line, Hwy 96, 15N32 Road, Clear Creek, Clear Fire containment line and Pony Peak Ridge Road to protect private property, infrastructure, and heritage resources.</li> <li>• Within the western boundary of the Siskiyou Wilderness to protect natural resources.</li> </ul> <p>2) Keep the Cedar, Clear, Prescott, and Four-Mile fires:</p> <ul style="list-style-type: none"> <li>• Within remote national forest areas to protect heritage, cultural, and natural resources.</li> </ul> <p>3) Confine, contain, or control all fires commensurate with values at risk.</p> <p><b>MANAGEMENT OBJECTIVES</b></p> <p>1) Provide for public and fire fighter safety by maintaining life first principles.</p> <p>2) Implement strategies and tactics that have a high probability of success always taking into consideration responder exposure.</p> <p>3) Minimize impacts to cultural resources, infrastructure, and private property.</p> <p>4) Minimize post-fire, undesirable fire and suppression effects.</p> <p>5) Establish and strengthen cooperator, partner, and stakeholder relationships and provide timely and accurate incident information.</p>			
6. Weather Forecast for Period			
<ul style="list-style-type: none"> <li>• See attached weather forecast.</li> </ul>			
7. General Safety Message			
<ul style="list-style-type: none"> <li>• See attached safety messages.</li> </ul>			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203 <input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204 <input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> Medical Plan - ICS 206 <input checked="" type="checkbox"/> Incident Map <input checked="" type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> Weather <input checked="" type="checkbox"/> ICS215a <input type="checkbox"/> Rehab Considerations	
9. Prepared by (Planning Section Chief) Walter Herzog	10. Approved by (Incident Commander) <i>For</i> Curtis Coots <i>P-A-B</i>		

<b>ORGANIZATION ASSIGNMENT LIST</b>		Ordering	Aaron Woods
1. Incident Name <b>Eclipse Complex</b>		Facilities Unit	Jeff Huhtala, Frank DelCarlo
2. Date August 22, 2017		Ground Support Unit	Harry Zabel, John Wickstrom (t)
3. Time 2100		Communications Unit	John Chapman
4. Operational Period Day and Night Shift, <b>August 23-24, 2017</b>		COMT / INCM	Matt Panks, Robert Flaim
Position	Name	Medical Unit	Josh Ramey, Charles McGary (t)
5. Incident Commander and Staff		Receiving & Distribution	Fred Johnson
Incident Commander	Curtis Coots	Security Manager	Michael Turner
Deputy	Paul Bannister	Food Unit	Mark McGuinness, Jay Westlake
Safety Officer	Michele Tanzi, Jeff Barnhart, Mike Frederick, Robert Hilfer (t)	<b>9. Operations Section</b>	
Information Officer	Phyllis Swanson, Barbara Rebiskie, Kathy Hardy, Jim Mackensen	Operations – Day	Alec Lane
Liaison Officer	Kent Swartzlander	Operations – Night	Mike Klimek (t)
6. Agency Representative		Planning Ops	Kyle Jacobson (t)
Agency Administrator	Jeff Marszal	<b>a. Division/Groups</b>	
Deputy Agency Administrator	Eric Baxter	<b>Branch I</b>	<b>Curt Lindstrand</b>
Karuk Tribal Rep	Earl Crosby	Division/Group CEDAR B	Jack Sevelson, Brian Combs (t)
Heritage Coordinator	Herman Albers	Division/Group CEDAR W	Cheveyeo Munk, Aaron Knudson (t)
Cal Fire	Luke Kendall	Division/Group CEDAR G/H	unstaffed
READ	Greg Bousfield	<b>b. Division/Groups</b>	
Heritage Read	Matther Padilla	<b>Branch II</b>	<b>Don Fregulla</b>
IARR Southwest	Gabriel Partido	Division/Group OAK D	Tim Ritchey, Tommy Hawkins (t)
7. Planning Section		Division/Group OAK F	Richard Inghram, Leland Ratcliff (t)
Chief	Walter Herzog	Division/Group OAK Z	Allen Shultze
Deputy	Alan Taylor	Division/Group CLEAR A/C/M	Unstaffed
Resources Unit	Marissa Jones	PRESCOTT FIRE	Unstaffed
Situation Unit	Eric Kronner, Travis Neppi (t)	OAK NIGHT	Paul Maricusa, Stephanie Gleason (t)
Demobilization Unit	Gary Deboi	<b>c. Division/Groups</b>	
Documentation Unit	Rex Crabtree	<b>Contingency Branch</b>	<b>Marlo Gomez (t)</b>
Training	Brian Lamphiear, Mary Leathers	Structure	Matt Prentiss, Kenneth Glazer (t)
CTSP	George Steel	<b>c. Air Operations Branch</b>	
GISS	Jim Gonzalez, Kent Bloomer(t), Zach Rich (t), John Hageness, Mike Miller	Air Operations Branch Director	Kerry Koskela
FBAN	Bob Patton	Air Attack Supervisor	
IMET	Ryan Walbrun	Air Support Supervisor	Steve Beall, Jim Gould
SCKN(t)	Marissa Williams	<b>10. Finance Section</b>	
LTAN	Clint Isbell	Chief	Lois Charlton
8. Logistics Section		Time Unit	Alejandra Pena-Godoy
Chief	Mike Jellison, Richard Crowther (t)	Equipment Unit	
Deputy		Personnel Unit	Louise Casias
Supply Unit	David Alicea	Cost Unit	Lou Ann Charbonnier (t)
		Compensation/Claims Unit	Debbie McIntosh
		Prepared by (Resource Unit Leader) Gary R. Deboi	

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch <b>I</b>		2. Division/Group <b>B</b>		
3. Incident Name <b>Eclipse Complex (Cedar Fire)</b>			4. Operational Period Date: August 23, 2017 Time: 0600- 2000				
5. Operations Personnel							
Operations Chief		Alec Lane		Division/Group Supervisor		Jack Sevelson, Brian Combs (t)	
Branch Director		Curt Lindstrand		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC2IA Klamath (C-3 Eclipse)	Andy Zink	8/24	18	N	ICP/0600	ICP/2000	
HC2 Black Eagles 1 (C-11 Eclipse)	Brian Hicks	8/25	20	N	ICP/0600	ICP/2000	
HC2IA Firestorm C-4 (C-55 Eclipse)	James Ramirez	9/4	18	N	ICP/0600	ICP/2000	
ENG3 ENF 353 (E-170 Eclipse)	Lucas Birch	8/24	5	N	ICP/0600	ICP/2000	
CHIP T1 Patrick E-93 (E-68Eclipse)	Ben Castle	8/23	2	N	ICP/0600	ICP/2000	
CHIP T1 Valley Timber E-92(E-83Eclipse)	Jeremiah Coleman	8/30	2	N	ICP/0600	ICP/2000	
FALM North Zone Fallers O-29	Jeremy Mason	8/26	2	N	ICP/0600	ICP/2000	
STCR (O-70 Eclipse)	Lafe Martyn	8/26	1	N	ICP/0600	ICP/2000	
STCR (t)	Cody Stacher	8/25	1	N	ICP/0600	ICP/2000	
TFLD O-72	Chad Machmer	8/26	2	N	ICP/0600	ICP/2000	
TFLD (t) O-73	Adam James	8/26	1	N	ICP/0600	ICP/2000	
FEMP (O-35 Eclipse)	Nick Rubin	8/30	1	N	ICP/0600	ICP/2000	
FEMT (O-6 Eclipse)	John Muraoka	8/30	1	N	ICP / 0600	ICP / 2000	
REMS 1 (O-23 Eclipse)	Stockton	8/31	1	N	ICP / 0600	ICP / 2000	
ARCH (O-85 Eclipse)	Matthew Padilla	8/30	1	N	ICP / 0600	ICP / 2000	
ARCH (O-48 Eclipse)	Peter Schmidt	8/31	1	N	ICP / 0600	ICP / 2000	
REAF (O-59 Eclipse)	Troy Maikis	8/30	1	N	ICP / 0600	ICP / 2000	
SOF2 (O-21.51 Eclipse)	James Courtright	8/30	1	N	ICP / 0600	ICP / 2000	
7. Control Operations							
Improve line preparation along the 19N01 line. Begin to prep the boundary trail east to Pyramid Peak as resources become available. Backhaul unnecessary supplies and trash.							
Special Instructions:							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX 163.1500N TX 171.5375N	CMD 1	1 (Tone 141.3)	Air to Ground	RX168.3375N TX168.3375N	A/G CMD	12
Tactical Div/Group	RX 168.0500N TX 168.0500N	TAC 1	4 (Tone 146.2)	Air to Ground	RX164.0125N TX164.0125N	A/G TAC2	14
Prepared by (Resource Unit Leader) Marissa Jones		Approved by (Planning Section Chief) Walt Herzog <i>Walt J. Herzog</i>		Date August 22, 2017		Time 2100	

<b>DIVISION ASSIGNMENT LIST</b>				1. Branch <b>I</b>		2. Division/Group <b>W</b>	
3. Incident Name <b>Eclipse Complex (Cedar Fire)</b>				4. Operational Period Date: August 23, 2017 Time: 0600- 2000			
5. Operations Personnel							
Operations Chief		Alec Lane		Division/Group Supervisor		Cheveyo Munk, Aaron Knudson (t)	
Branch Director		Curt Lindstrand		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
HC1 Dalton Hot Shots (C-21 Eclipse)		Scott Gorman	9/1	20	N	ICP / 0600	ICP / 2000
HC2IA Heart Lake (C-4 Eclipse)		Jake Fitzgerald	8/23	20	N	ICP / 0600	ICP / 2000
HC2 Black Eagles 6 (C-43 Eclipse)		Colton Buehler	8/31	22	N	ICP / 0600	ICP / 2000
HC1 Arroyo Grande Hotshot (C-52 Eclipse)		Mike Hickey	9/4	1	N	ICP / 0600	ICP / 2000
ENG3 STF 34 (E-123 Eclipse)		Brent Boltshauser	9/2	5	N	ICP / 0600	ICP / 2000
ENG3 SNF 51 (E-124 Eclipse)		Steve Patterson	9/2	5	N	ICP / 0600	ICP / 2000
ENG3 Brush 21 (E-104 Eclipse)		Will Morgan	9/2	4	N	ICP / 0600	ICP / 2000
WT2 SHF 16 (E-187 Eclipse)		Duane Livingston	9/3	2	N	ICP / 0600	ICP / 2000
DOZ2 MNF (E-148 Eclipse)		Sean Lynch	9/3	3	N	ICP / 0600	ICP / 2000
SOFR (t) (O-55 Eclipse)		Joe Morris	9/1	1	N	ICP / 0600	ICP / 2000
EMTF (O-31 Eclipse)		Colin Galt	8/31	1	N	ICP / 0600	ICP / 2000
EMPF (O-30 Eclipse)		Jon Winslow	8/31	1	N	ICP / 0600	ICP / 2000
ARCH		Bret Guisto	8/23	1	N	ICP / 0600	ICP / 2000
7. Control Operations Continue firing operations. Hold previous shifts firing operations. Backhaul unnecessary supplies and trash.							
Special Instructions:							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX 163.1500N TX 171.5375N	CMD 1	1 (Tone 141.3)	Air to Ground	RX168.3375N TX168.3375N	A/G CMD	12
Tactical Div/Group	RX 166.7750N TX 166.7750N	TAC 6	8 (146.2)	Air to Ground	RX164.0125N TX164.0125N	A/G TAC2	14
Prepared by (Resource Unit Leader) Marissa Jones		Approved by (Planning Section Chief) Walt Herzog <i>Walt J. Herzog</i>		Date August 22, 2017		Time 2100	

<b>DIVISION ASSIGNMENT LIST</b>				1. Branch <b>II</b>		2. Division/Group <b>D (Page 1 of 2)</b>	
3. Incident Name <b>Eclipse Complex (Oak Fire)</b>				4. Operational Period Date: August 23, 2017 Time: 0600- 2000			
5. Operations Personnel							
Operations Chief		Alec Lane		Division/Group Supervisor		Tim Ritchey/ Tommy Hawkins (t)	
Branch Director		Don Fregulia		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC1 Beckwourth IHC (C-5 Eclipse)	Mike Wintch	8/25	19	N	Spike	Spike	
HC2IA Firestorm C-17 (C-36 Eclipse)	Stanley Hawkins	8/25	19	N	Spike	Spike	
HC2 Fort Apache #3 (C-41 Eclipse)	Lowell Kasey	8/25	19	N	Spike	Spike	
HC2 Gunnison River C-1 (C-37 Eclipse)	Mike Megel	8/23	20	N	Spike	Spike	
HC2 Chevak #2 (C-45 Eclipse)	Leo Moses	9/4	20	N	Spike	Spike	
HC2 Arctic Village (C-46 Eclipse)	Benjamin Peter	9/4	26	N	Spike	Spike	
ENG3 TNF E-61 (E-169 Eclipse)		8/25	5	N	Spike	Spike	
ENG4 GCT 81 E-17	Lee Delyria	8/27	3	N	Spike	Spike	
ENG4 GCT 80 E-18	Ken Delyria	8/27	4	N	Spike	Spike	
ENG3 Wildfire Support (E-118 Eclipse)	Ryan Vigil	9/3	3	N	Spike	Spike	
ENG3 Wildfire Support (E-119 Eclipse)	Peter Allen	9/3	3	N	Spike	Spike	
WT2 (E-36 Eclipse)	Gary Tickner	9/1	2	N	Spike	Spike	
WT2 Steve Lassen (E-183 Eclipse)	Ken Rowe	9/3	2	N	Spike	Spike	
DOZ2 E-4 Lonestar	Heather Alexander	8/31	1	N	Spike	Spike	
DOZ2 Peters (E-90 Eclipse)	Sam Dotson	9/2	1	N	Spike	Spike	
EXCA Floodgate H20 (E-26 Eclipse)	William Harvey	8/31	1	N	Spike	Spike	
MAST North State (E-96 Eclipse)	Hoyt Baker	9/1	2	N	Spike	Spike	
7. Control Operations Prep the 17N11, 17N23, and dozer line to SF Indian Creek. Mop up and patrol to maintain containment. Scout opportunities for contingency lines. Backhaul unnecessary supplies and trash.							
Special Instructions: Last night at Spike Camp							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX171.0375N TX165.3625N	CMD3	3 (Tone 146.2)	Air to Ground	Rx 168.3375 Tx 168.3375	A/G CMD	12
Tactical Div/Group	RX 168.6000N TX 168.6000N	TAC 3	6 (Tone 146.2)	Air to Ground	RX164.8375N TX164.8375N	A/G TAC 1	13
Prepared by (Resource Unit Leader) Marissa Jones		Approved by (Planning Section Chief) Walt Herzog <i>Walter J. Herzog</i>		Date August 22, 2017		Time 2100	

<b>DIVISION ASSIGNMENT LIST</b>				1. Branch <b>II</b>		2. Division/Group <b>D (Page 2 of 2)</b>	
3. Incident Name <b>Eclipse Complex (Oak Fire)</b>				4. Operational Period Date: August 23, 2017      Time: 0600- 2000			
5. Operations Personnel							
Operations Chief		Alec Lane		Division/Group Supervisor		Tim Ritchey/ Tommy Hawkins (t)	
Branch Director		Don Fregulia		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
MAST E-26	Colter Holleman	8/31	2	N	Spike	Spike	
CHIP T1 Cecil Logging (E-16 Eclipse)	Will Draper	9/1	1	N	Spike	Spike	
CHIP T1 Greenhouse E-27(E-180 Eclipse)	Nick Drogowski	8/28	1	N	Spike	Spike	
FALM (O-159 Eclipse)	Kevin Blankenship	9/2	1	N	Spike	Spike	
HEQB O-15 (O-69 Eclipse)	Andy Achter	8/26	1	N	Spike	Spike	
TFLD O-9	Robert Kelly Snaidman	8/22	1	N	Spike	Spike	
TFLD (t) (O-44 Eclipse)	Kevin Osborne	8/29	1	N	Spike	Spike	
SOFR (t) (O-13 Eclipse)	Terry Nickerson	8/29	1	N	Spike	Spike	
REAF (O-195 Eclipse)	Sean Kelly	9/4	1	N	Spike	Spike	
FEMP ( O-5 Eclipse)	Patrick Burton	8/20	1	N	Spike	Spike	
7. Control Operations Prep the 17N11, 17N23, and dozer line to SF Indian Creek. Mop up and patrol to maintain containment. Scout opportunities for contingency lines. Backhaul unnecessary supplies and trash.							
Special Instructions: Last night at Spike Camp							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX171.0375N TX165.3625N	CMD3	3 ( Tone 146.2)	Air to Ground	Rx 168.3375 Tx 168.3375	A/G CMD	12
Tactical Div/Group	RX 168.6000N TX 168.6000N	TAC 3	6 (Tone 146.2)	Air to Ground	RX164.8375N TX164.8375N	A/G TAC 1	13
Prepared by (Resource Unit Leader) Marissa Jones		Approved by (Planning Section Chief) Walt Herzog <i>Walt Herzog</i>		Date August 22, 2017		Time 2100	



<b>DIVISION ASSIGNMENT LIST</b>				1. Branch <b>II</b>		2. Division/Group <b>F (Page 1 of 2)</b>	
3. Incident Name <b>Eclipse Complex (Oak Fire)</b>				4. Operational Period Date: August 23, 2017 Time: 0600- 2000			
5. Operations Personnel							
Operations Chief		Alec Lane		Division/Group Supervisor		Richard Inghram, Leland Ratcliff (t)	
Branch Director		Don Fregulia		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC1 Smith River IHC (C-12 Eclipse)	Jeremiah Mendes	8/25	19	N	ICP / 0600	ICP / 2000	
HC1 Tallac IHC (C-30 Eclipse)	Kyle Betty	8/23	19	N	ICP / 0600	ICP / 2000	
HC2IA Eagle Lake (C-40 Eclipse)	Ben Wheeler	8/28	19	N	ICP / 0600	ICP / 2000	
HC2IA GFP 15 Delta (C-22 Eclipse)	Brandon Campbell	8/31	20	N	ICP / 0600	ICP / 2000	
HC2 Navajo Scouts #5 (C-4 Eclipse)	Learoyd Begay	8/31	20	N	ICP / 0600	ICP / 2000	
S/T ENG3 BDF 6606C (E-161 Eclipse)	Emanuel Torres	8/28	26	N	ICP / 0600	ICP / 2000	
ENG3 TNF 341 (E-103 Eclipse)	Eric Husmann	9/2	5	N	ICP / 0600	ICP / 2000	
ENG6 J3 Contracting E-13 (E-24 Oak)	John Hoellerich	8/31	3	N	ICP / 0600	ICP / 2000	
ENG3 A4S (E-121 Eclipse)	Demetri Baca	9/2	4	N	ICP / 0600	ICP / 2000	
ENG3 J3 Contracting E-17 (E-13 Oak)	Matt Frederick	8/31	3	N	ICP / 0600	ICP / 2000	
ENG6 Rocky Point E-12	KC Frye	8/26	3	N	ICP / 0600	ICP / 2000	
SKID1 5360 E-94	Josh Covey (Day)	9/2	2	N	ICP / 0600	ICP / 2000	
SKID1 5314 E-95	Jeremy Guthrie (Day)	9/2	2	N	ICP / 0600	ICP / 2000	
SKID2 Let-Er-Buck (E-195 Eclipse)	Steven Lassen	9/4	1	N	ICP / 0600	ICP / 2000	
WT2 Cattlelack Ranch E-7 (E-162 Eclipse)	Zane Palmerton (Day)	8/26	1	N	ICP / 0600	ICP / 2000	
WT2 Cattlelack Ranch E-8 (E-163 Eclipse)	Jim Goldie (Day)	9/3	1	N	ICP / 0600	ICP / 2000	
FALM American Timber (O-42 Eclipse)	Christopher and Wyatt	8/31	2	N	ICP / 0600	ICP / 2000	
FALM (O-109 Eclipse)	Dennis Withers	9/2	2	N	ICP / 0600	ICP / 2000	
HEQB (O-112 Eclipse)	Lee Brad Gregory	9/2	1	N	ICP / 0600	ICP / 2000	
TFLD ( O-39 Eclipse)	Robert Hoyle	8/30	1	N	ICP / 0600	ICP / 2000	
7. Control Operations Hold fire within existing containment lines. Scout opportunities for contingency lines. Backhaul unnecessary supplies and trash.							
Special Instructions:							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX171.0375N TX165.3625N	CMD 3	3 (Tone 146.2)	Air to Ground	Rx 168.3375N Tx 168.3375N	A/G CMD	12
Tactical Div/Group	RX 168.7250N TX 168.7250N	TAC 5	7 (Tone 146.2)	Air to Ground	RX164.8375N TX164.8375N	A/G TAC 1	13
Prepared by (Resource Unit Leader) Marissa Jones		Approved by (Planning Section Chief) Walt Herzog <i>Walt J. Herzog</i>		Date August 22, 2017		Time 2100	



<b>DIVISION ASSIGNMENT LIST</b>				1. Branch <b>II</b>		2. Division/Group <b>Z (Page 1 of 2)</b>	
3. Incident Name <b>Eclipse Complex (Oak Fire)</b>				4. Operational Period Date: August 23, 2017 Time: 0600- 2000			
5. Operations Personnel							
Operations Chief		Alec Lane		Division/Group Supervisor		Allen Shultze	
Branch Director		Don Fregulia		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader		LWD	Number Persons	Trans. Needed	Pick Up PT./Time
HC1 Little Tujunga IHC (C-20 Eclipse)		Oscar Vargas		9/1	20	N	ICP / 2000
HC1 Plumas IHC (C-2 Eclipse)		Mike Sherman		8/24	20	N	ICP / 2000
HC2IA Lassen HS (C-17 Eclipse)		Jason Bennett		8/29	19	N	ICP / 2000
S/T ENG3 SHF 3675C (E-31 Eclipse)		Liz Younger/Adam Zaharris(t)		8/29	27	N	ICP / 2000
ENG3 CNF 329 (E-120 Eclipse)		Steve Reyes		9/2	5	N	ICP / 2000
ENG3 PNF 324 (E-106 Eclipse)		Andrew Patota		9/1	5	N	ICP / 2000
ENG3 AZNCO (E-117 Eclipse)		Vincent Nielson		9/2	4	N	ICP / 2000
HC2 Allakaket (C-44 Eclipse)		Beattus Moses		9/4	20	N	ICP / 2000
HC2 Venetie (C-47 Eclipse)		Ernest Erick		9/4	20	N	ICP / 2000
HC1 Mill Creek IHC (C-19 Eclipse)		John Ellison		8/27	20	N	ICP / 2000
HC2 Cobras 4 (C-23 Eclipse)		J. Torres		8/27	21	N	ICP / 2000
WT2 Cattlelack Ranch E-9 (E-164 Eclipse)		Gary Showpe (Night)		9/3	1	N	ICP / 2000
WT2 White Logging E-51 (E-69 Eclipse)		Tom White		9/3	1	N	ICP / 2000
MAST Diversified Resources (E-33 Eclipse)		Justin Claughton		8/31	2	N	ICP / 2000
DOZ2 E-1 Kev's Backhoe (E-158 Eclipse)		Kevin Carlson		8/25	2	N	ICP / 2000
DOZ2 E-2 Ben's Truck (E-159 Eclipse)		Tony Duerr		8/25	2	N	ICP / 2000
DOZ2 Carlson Const. (E-127 Eclipse)		Kurtis Embury		9/1	2	N	ICP / 2000
DOZ2 Carlson Const. (E-134 Eclipse)		Curt Carlson		9/1	2	N	ICP / 2000
GRD1 Moody (E-35 Eclipse)		Tom Relisze		9/1	1	N	ICP / 2000
FALM (E-102 Eclipse)		Dustin Brown		9/2	2	N	ICP / 2000
7. Control Operations Construct line from Clear Creek to the Clear fire. Scout opportunities for contingency line. Backhaul unnecessary supplies and trash.							
Special Instructions:							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX171.0375N TX165.3625N	CMD3	3 (Tone 146.2)	Air to Ground	Rx 168.3375 Tx 168.3375	A/G CMD	12
Tactical Div/Group	RX 168.2500N TX 168.2500N	TAC 7	9 (Tone 146.2)	Air to Ground	RX164.8375N TX164.8375N	A/G TAC 1	13
Prepared by (Resource Unit Leader) Marissa Jones		Approved by (Planning Section Chief) Walt Herzog <i>Walt J. Herzog</i>		Date August 22, 2017		Time 2100	



<b>DIVISION ASSIGNMENT LIST</b>				1. Branch <b>II</b>		2. Division/Group <b>Structure Group (Page 1 of 2)</b>	
3. Incident Name <b>Eclipse Complex (Oak Fire)</b>				4. Operational Period Date: August 23, 2017 Time: 0600-2000			
5. Operations Personnel							
Operations Chief		Alec Lane		Division/Group Supervisor		Matt Prentiss/ Kenneth Glazer (t)	
Branch Director		Don Fregulia		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
STEN O-57		Cougan Caruthers	9/1	1	N	ICP / 0600	ICP / 2000
ENG6 Crown Chaser (E-167 Eclipse)		Scott Farmer	8/24	3	N	ICP / 0600	ICP / 2000
ENG6 Rogue River E-4 (E-165 Eclipse)		James Jones	8/24	3	N	ICP / 0600	ICP / 2000
ENG6 Volcano E-11		Roy Baer	8/26	3	N	ICP / 0600	ICP / 2000
ENG6 K&L Farms (E-166 Eclipse)		Ian Shelly	8/24	3	N	ICP / 0600	ICP / 2000
ENG6 Woods 27 E-15 KNF Support		Kurt Flewell	9/2	3	N	ICP / 0600	ICP / 2000
TFLD (O-7 Eclipse)		David Rogers	8/30	1	N	ICP / 0600	ICP / 2000
TFLD (t) (O-121 Eclipse)		David Deleon	9/1	1	N	ICP / 0600	ICP / 2000
S/T ENG3 SRF 2600 C (E-136 Eclipse)		Nick Balent	9/1	27	N	ICP / 0600	ICP / 2000
S/T ENG3 LNF 3616 C (E-141 Eclipse)		Scott Flynn	9/2	26	N	ICP / 0600	ICP / 2000
ENG3 Platte Valley (E-111 Eclipse)		Alex Haak	9/2	3	N	ICP / 0600	ICP / 2000
ENG3 Berthoud 13 (E-115 Eclipse)		Justin Rupert	9/2	4	N	ICP / 0600	ICP / 2000
ENG3 Nesbit 613 (Eclipse 174)		Vas Naiker	8/24	3	N	ICP / 0600	ICP / 2000
WT2 Johnson E-39		Timothy Gray	9/1	1	N	ICP / 0600	ICP / 2000
WT2 Johnson E-40		Stephen Boerman	9/1	1	N	ICP / 0600	ICP / 2000
CHIP T1 Ray Godon (E-17 Eclipse)		Brandon Balderas	8/30	1	N	ICP / 0600	ICP / 2000
DOZ2 E-45 Able (E-74 Eclipse)		James Gordon		1	N	ICP / 0600	ICP / 2000
DOZ2 E-44 Peters (E-73 Eclipse)		Chris Olivolo		1	N	ICP / 0600	ICP / 2000
HEQB		Beach		1	N	ICP / 0600	ICP / 2000
TFLD (O-56 Eclipse)		Keith Burnette	9/1	1	N	ICP / 0600	ICP / 2000
TFLD (t) (O-122 Eclipse)		Matt Flying	9/1	1	N	ICP / 0600	ICP / 2000
7. Control Operations							
Provide structure protection for residence and private property. Backhaul unnecessary supplies and trash.							
Special Instructions: Structure Protection							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX171.0375N TX165.3625N	CMD3	3 (Tone 146.2)	Air to Ground	RX168.3375N TX168.3375N	A/G CMD	12
Tactical Div/Group	RX168.0500N TX168.0500N	TAC 1	10	Air to Ground	RX164.8375N TX164.8375N	A/G TAC 1	13
Prepared by (Resource Unit Leader) Marissa Jones		Approved by (Planning Section Chief) Walt Herzog <i>Walt J. Herzog</i>		Date August 22, 2017		Time 2100	



<b>DIVISION ASSIGNMENT LIST</b>				1. Branch		2. Division/Group <b>Contingency</b>	
3. Incident Name <b>Eclipse Complex (Oak Fire)</b>				4. Operational Period Date: August 23, 2017 Time: 0600-2000			
5. Operations Personnel							
Operations Chief		Alec Lane/Mario Gomez (T)		Division/Group Supervisor		TBD	
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
<b>TFLD(T) (O-229 Eclipse)</b>		<b>Curtis Matthews</b>		<b>9/4</b>	<b>1</b>	<b>N</b>	<b>ICP / 0600</b>
<b>FAL1 (O-158 Eclipse)</b>		<b>Adam Miller/Logan Miller</b>		<b>9/3</b>	<b>2</b>	<b>N</b>	<b>ICP / 0600</b>
<b>DO22 Brad Ingram Const. (E-150 Eclipse)</b>		<b>Brad Ingram (Day)</b>		<b>9/3</b>	<b>1</b>	<b>N</b>	<b>ICP / 0600</b>
<b>DO22 Let-er-Buck (E-89 Eclipse)</b>		<b>Steve Lassen</b>		<b>9/3</b>	<b>1</b>	<b>N</b>	<b>ICP / 0600</b>
<b>DO22 Tim Johnson (E-147 Eclipse)</b>		<b>Tim Johnson/Mark Johnson</b>		<b>9/3</b>	<b>2</b>	<b>N</b>	<b>ICP / 0600</b>
<b>DO22 Ben's Truck (E-128 Eclipse)</b>		<b>Bill Scarbrough</b>		<b>9/2</b>	<b>1</b>	<b>N</b>	<b>ICP / 0600</b>
<b>FEMP (O-9 Eclipse)</b>		<b>Zachary Brown</b>		<b>8/30</b>	<b>1</b>	<b>N</b>	<b>ICP / 0600</b>
<b>HEQB (O-197 Eclipse)</b>		<b>Kevin Case</b>		<b>9/4</b>	<b>1</b>	<b>N</b>	<b>ICP / 0600</b>
<b>ARCH (O-191 Eclipse)</b>		<b>Joshua Massey</b>		<b>9/4</b>	<b>1</b>	<b>N</b>	<b>ICP / 0600</b>
<b>REAF (O-240 Eclipse)</b>		<b>Nick Meyer</b>			<b>1</b>	<b>N</b>	<b>ICP / 0600</b>
<b>CULS (O-151 Eclipse)</b>		<b>Alex Watts-Tobin</b>		<b>8/31</b>	<b>1</b>	<b>N</b>	<b>ICP / 0600</b>
7. Control Operations Access and prep line east of the river to protect the community of Happy Camp. Reopen existing dozer lines on Titus Ridge.							
Special Instructions:							
Function		Frequency		Name		Channel	
Command		RX171.0375N TX165.3625N		CMD3		3 (Tone 146.2)	
Tactical Div/Group		RX 168.2000N TX 168.2000N		TAC 2		5 (Tone 146.2)	
Prepared by (Resource Unit Leader) Marissa Jones		Approved by (Planning Section Chief) Walt Herzog			Date August 22, 2017		Time 1600

<b>DIVISION ASSIGNMENT LIST</b>				1. Branch <b>II</b>		2. Division/Group <b>NIGHT (Page 1 of 2)</b>	
3. Incident Name <b>Eclipse Complex (Oak Fire)</b>				4. Operational Period Date: August 23-24, 2017      Time: 1800-0800			
5. Operations Personnel							
Operations Chief		Mike Klimek (t)		Division/Group Supervisor		Paul Mancuso, Stephanie Gleason (t)	
Branch Director		Don Fregulia		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC1 Feather River IHC (C-6 Eclipse)	Robert Daniels	8/24	20	N	ICP / 1800	ICP / 0800	
HC2IA Elk Mountain HS (C-39 Eclipse)	Reymundo Reyes	8/29	21	N	ICP / 1800	ICP / 0800	
HC2IA Zuni (C-1 Eclipse)	Carmen Goseyun	8/28	20	N	ICP / 1800	ICP / 0800	
ENG3 TMU Engine 44 (E-171 Eclipse)	Andrew Auld	8/25	5	N	ICP / 1800	ICP / 0800	
ENG3 Utah Engine 11 E-23	Patrick Carlson	8/23	5	N	ICP / 1800	ICP / 0800	
ENG3 MNF 36 (E-107 Eclipse)	Brad Torar	9/1	5	N	ICP / 1800	ICP / 0800	
ENG3 ENF 314	Scott Soden	8/25	5	N	ICP / 1800	ICP / 0800	
ENG3 MNF 353 (E-173 Eclipse)	Conroy Coleman	8/25	5	N	ICP / 1800	ICP / 0800	
ENG6 GE Forestry E-7 (E-168 Eclipse)	Josh Nikobym	8/24	3	N	ICP / 1800	ICP / 0800	
ENG3 STF 344 (E-122 Eclipse)	Josiah Dewey	9/2	5	N	ICP / 1800	ICP / 0800	
ENG3 OVD 3131 (E-125 Eclipse)	Don Shoemaker	9/2	5	N	ICP / 1800	ICP / 0800	
ENG3 TNF 73 (E-102 Eclipse)	Jeremy Oster	9/2	5	N	ICP / 1800	ICP / 0800	
ENG3 ANF 112 (E-126 Eclipse)	Jarod Breneman	9/2	5	N	ICP / 1800	ICP / 0800	
ENG3 ANF 354 (E-116 Eclipse)	Michael Delay	9/2	5	N	ICP / 1800	ICP / 0800	
ENG3 PNF 332 (E-105 Eclipse)	Michael Hyett	9/2	5	N	ICP / 1800	ICP / 0800	
DOZ2 North State (E-34 Eclipse)	George Poe (Night)	8/31	2	N	ICP / 1800	ICP / 0800	
WT2 Cattlelack Ranch E-7 (E-162 Eclipse)	Randy Horn (Night)	8/26	1	N	ICP / 1800	ICP / 0800	
WT2 Cattlelack Ranch E-8 (E-163 Eclipse)	Eugene Graham (Night)	9/3	1	N	ICP / 1800	ICP / 0800	
WT2 Cattlelack Ranch E-9 (E-164 Eclipse)	Gary Showpe (Night)	9/3	1	N	ICP / 1800	ICP / 0800	
SKID1 5360 E-94	Eijah Purday (Night)	9/2	2	N	ICP / 1800	ICP / 0800	
SKID1 5314 E-95	Richard Goolsby (Night)	9/2	2	N	ICP / 1800	ICP / 0800	
TFLD	Andrew Auld		1	N	ICP / 1800	ICP / 0800	
7. Control Operations Patrol and mop up to maintain containment. Backhaul unnecessary supplies and trash.							
Special Instructions:							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX171.0375N TX165.3625N	CMD3	3 (Tone 146.2)	Air to Ground	RX168.3375N TX168.3375N	A/G CMD	12
Tactical Div/Group	RX168.2000N TX168.2000N	TAC 2	5 (Tone 146.2)	Air to Ground	RX164.8375N TX164.8375N	A/G TAC 1	13
Prepared by (Resource Unit Leader) Marissa Jones		Approved by (Planning Section Chief) Walt Herzog <i>Walter J. Herzog</i>		Date August 22, 2017		Time 2100	







# Eclipse Complex Fire Weather Forecast

**FORECAST NO:** 12

**NAME OF FIRE:** KNF-006098-Eclipse Complex

**PREDICTION FOR:** 0600-1800 Day Shift

**UNIT:** Klamath NF- Happy Camp RD

**SHIFT DATE:** 8/23

**SIGNED:**

**Incident Meteorologist-Ryan Walbrun**

**TIME AND DATE**

**FORECAST ISSUED:** 2100 8/22/17

**WEATHER DISCUSSION:** Smoke will be the main driver of weather and associated fire activity on the fire again today. Thick smoke is expected to hang in the drainages below 4000 feet with some clearing for the highest ridges by 1600. High temperatures will stay in the upper 70s most of the day before reaching into the lower-mid 80s late in the burn period. Ridge winds will be from a westerly direction with some late day gusts as the inversion weakens but expect light winds on lower and mid slopes. Haines index of 3 suggests low potential for plume dominated fire should any columns punch through the inversion.

**WEATHER FORECAST for TODAY:**

**WEATHER:** Thick smoke through early afternoon then slowly lifting. Otherwise mostly sunny above 4500 ft.

**TEMPERATURES:** Afternoon highs upper 70s smoke covered upper slopes to mid 80s along Hwy 96.

**HUMIDITY:** 25-35% most areas through early afternoon, locally dropping 20-25% where sun breaks out.

**20 FT WINDS:**

**RIDGETOP** - Southwest 3-6 mph then West 4-8 mph late day gusts 10-12 mph.

**SLOPE/VALLEY** – Afternoon upslope 2-5 mph. A few late day gusts 8 mph.

**HAINES INDEX:** 3 LAL: 1...except 2 east of Seiad Valley.

**STABILITY/INVERSION:** Strong morning inversion breaking around 1600 hours.

**OUTLOOK FOR WEDNESDAY NIGHT:** Smoke settling into the drainages again. Moderate humidity recovery 50-60% most areas except 70% along Hwy 96 near Div Z. Ridge winds becoming West to Northwest 5-10 mph. Overnight lows 55-65.

**EXTENDED OUTLOOK:** Ridge winds West/Northwest on Thursday as the trough shifts eastward with gusts 15-20 mph possible. Perhaps some better mixing and smoke reduction as the inversion weakens but don't count on it. Strong high pressure then builds Friday through the weekend with a warming and drying trend. Highs well into the 80s and lower 90s with mild overnight lows 60s to around 70. Afternoon humidity 15-20% with poor night time recovery 35-45%. Stronger inversion will likely mean little or no smoke dispersion with light north to northeast winds on the ridges keeping things warm and dry. Afternoon Haines indices of 5 for potential plume dominated potential should slope driven timber runs develop.

**EXTRA INFORMATION:** Portable Weather Station is on Baldy Mtn Lookout, Div D. Line of sight radio transmission can be received on Frequency 163.350 Tone 0057. A second Weather station is now on Tims Peak in Div W. Same freqs, Tone 0059. (transmit and receive no tone guard).

## FIRE BEHAVIOR FORECAST

<b>FORECAST NUMBER 14</b>	<b>TYPE OF FIRE: Wildland Fire</b>
<b>FIRE NAME: Eclipse Complex</b>	<b>OPERATIONAL PERIOD: Day shift August 23, 2017</b>
<b>DATE ISSUED: August 22, 2017</b>	<b>TIME ISSUED: 1900</b>
<b>UNIT: Klamath NF</b>	<b>SIGNED: Bob Patton</b> <b>FBAN</b> <i>Bob Patton</i>

**Weather:** Thick smoke through early afternoon then slowly lifting. Otherwise clear above 4500'

**Max Temp:** Afternoon highs 70's smoke covered ridges to mid 80's along Hwy 96

**Min RH:** 25-35% most areas through early afternoon, locally dropping 20-25% where sun breaks out

**Winds: 20'**

**Upslope /upvalley:** Afternoon 2-5 mph with a few late day gusts to 8 mph

**Ridgetop:** Southwest 3-6 mph then west 4-8 mph late day gusts 10-12 mph.

**Stability/inversion:** Strong morning inversion breaking around 1600 hours.

### GENERAL

#### **HEADS UP FOR THE PROBABILITY OF GUSTY OUTFLOW WINDS THIS AFTERNOON!**

The Eclipse Complex consists of five fires: Clear, Cedar, Oak, Four Mile, and Prescott. The fires are burning in mostly timber; however Oak spotted west into Five Mile Creek drainage which is in the 1987 Ten Bald fire scar which consists of heavy brush, snags, and heavy dead/down fuels. ERC's for the predictive service area are *63 around the 87<sup>th</sup> percentile*, down from the *94<sup>th</sup> percentile* over a week and a half ago, and has dropped from 64-62. ERC's at Oak Knoll are *64 around the 87<sup>rd</sup> percentile* down from the *94<sup>th</sup> percentile* and dropped from 65-64 the past two days. Live fuel moisture is approximately *97% in Manzanita, and 116-118% in Tan Oak. Probability of ignition: 30-40% depending on under the smoke.* Maximum spotting distance *up to .25 mile.* Maximum Rate of Spread with up to *1-12 ch/hr, and Flame lengths 1-10' in surface fir. Higher spread rates and intensity occur when the air is clear, and fuels become into alignment with the slope and wind.*

### SPECIFIC FIRE BEHAVIOR

**Cedar Fire:** Yesterdays IR indicated minimal growth most directions but is still holding in Thompson Creek. Fire will continue to grow and hopefully hold in Thompson Creek. Smoke will probably cover the fire most of the day.

**Four Mile Fire:** Fuels will continue to back down off the ridges in available fuels near H3 and west of Tim's Peak.

**Oak Fire:** Minimal fire behavior in Division D through DP-60 Division F. Fuels from yesterday's burnout operation. The fire will has reached the 15N02 Road and will continue backing and rolling off the hillside. Suppression resources assigned in here for whatever reason need to watch for rolling material and fall trees.

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

**Prescott Fire:** The fire is surrounded by historical fire scars consisting of brush and snags with the exception of the west flank and the north flank that apparently there is no recorded fire history. Yesterdays IR indicated intense heat in various areas around the entire fire, but mostly concentrated on the southeast and the west portions of the fire.

### AIR OPERATIONS

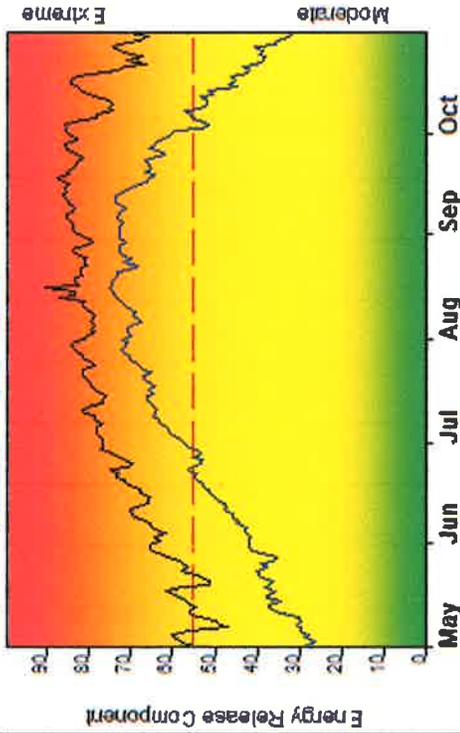
Smoke inversion could hamper air operations in the morning and throughout the shift

### SAFETY

Watch for complacency with your actions and remain vigilant around areas with active fire and those that have already burnt. Don't let holding and mop-up activities lull you into inattentiveness. Take the opportunity to review the Common Denominators of Fire Behavior on Tragedy Fires in the IRPG.

### FIRE DANGER -- West Side KNF

Maximum, Average, and 41th Percentile, based on 15 years data



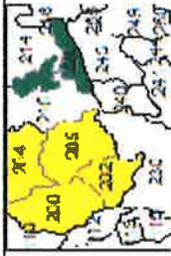
### Fire Danger Area:

- FDRAs: 200, 202, 204, 208
- NWS Zones: CA280 & CA281
- RAWs used: see below
  - Meets NWCG Wx Station Standards

### Fire Danger Interpretation:



- EXTREME** -- Use extreme caution
- Cautious** -- Watch for change
- Moderate** -- Lower Potential, but always be aware



Maximum -- Highest Energy Release Component by day for 2000 - 2014

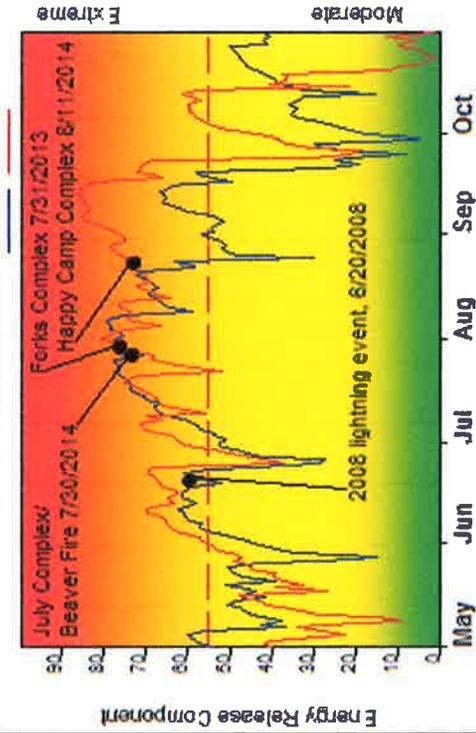
Average -- shows peak fire season over 15 years (2755 observations)

41th Percentile -- Only 41% of the 2755 days from 2000 - 2014 had an Energy Release Component below 55

### Local Thresholds - Watch out:

- Combinations of any of these factors can greatly increase fire behavior:
- 20' Wind Speed over 4 mph, RH less than 22%, Temperature over 75, 1000-Hour Fuel Moisture less than 12

### Years to Remember: 2013 2014



### Remember what Fire Danger tells you:

- Energy Release Component gives seasonal trends calculated from 2 pm temperature, humidity, daily temperature & rh ranges, and precip duration.
- Wind is NOT part of ERC calculation.
- Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- Listen to weather forecasts -- especially WIND.

### Past Experience:

- Large fires (>24ac) occur more frequently when ERC exceeds 55 and can readily increase in complexity
- Multiple lightning ignitions can overwhelm suppression resources, as occurred in 2008.
- Large fires were primarily human ignitions in 2013, and lightning ignitions in 2014.
- Sawyers Bar, Somes Bar, Slater Butte, Blue Ridge, Oak Knoll, Slater Butte Collins Baldy, Quartz Hill, Callahan #2 (2009-Present), and Dutch-Inley (2010-Present) RAWs data was used.

Responsible Agency: Klamath National Forest  
 FF-4.1 build 1622 02/23/2015-16:56 (C:\Users\kva... \KNF\_period of record\_v31oct2014)

Design by NWCG Fire Danger Working Team

<b>INCIDENT RADIO COMMUNICATIONS PLAN</b>		1. Incident Name <b>Eclipse Complex</b>		2. Date/ Time Prepared 8/22/2017 1800		3. Operational Period Date/Time 8/23-24 2017 0600 - 2000, 1800 - 0800	
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4. Basic Radio Channel Utilization

Channel	Function	Assignment	Frequency/Tone	Mode	Remarks	Radio Type/Cache
1	CMD 1	CEDAR FIRE	RX 163.1500 TX 171.5375 TONE 141.3 TONE 141.3	Narrow	ALL DIVISIONS, SLATER BUTTE L.O.	King NIFC
2	CMD 2	CLEAR FIRE	RX 173.0375 TX 167.3250 TONE 146.2 TONE 146.2	Narrow	ALL DIVISIONS, ELBOW SPRINGS	King NIFC
3	CMD 3	OAK FIRE	RX 171.0375 TX 165.3625 TONE 146.2 TONE 146.2	Narrow	ALL DIVISIONS, BALDY MTN	King NIFC
4	TAC 1	DIV B	RX 168.0500 TX 168.0500 TONE 146.2 TONE 146.2	Narrow	CEDAR FIRE	King NIFC
5	TAC 2	CONTINGENCY GROUP /OAK NIGHT	RX 168.2000 TX 168.2000 TONE 146.2 TONE 146.2	Narrow	CONTINGENCY GROUP/OAK NIGHT	King NIFC
6	TAC 3	DIV D	RX 168.6000 TX 168.6000 TONE 146.2 TONE 146.2	Narrow	OAK FIRE	King NIFC
7	TAC 5	DIV F	RX 168.7250 TX 168.7250 TONE 146.2 TONE 146.2	Narrow	OAK FIRE	King NIFC
8	TAC 6	DIV W	RX 166.7750 TX 166.7750 TONE 146.2 TONE 146.2	Narrow	CEDAR FIRE	King NIFC
9	TAC 7	DIV Z	RX 168.2500 TX 168.2500 TONE 146.2 TONE 146.2	Narrow	OAK FIRE	King NIFC
10	TAC 1	STRUCTURE GROUP	RX 168.0500 TX 168.0500 TONE 146.2 TONE 146.2	Narrow	ALL FIRES	King NIFC
11	ORANGE	KNF FIRE RPT IA	RX 172.2750 TX 164.7000 NO TONE TONE 131.8	Narrow	KNF ORANGE REPEATER, BALDY MTN	King NIFC
12	A/G CMD	AIR TO GROUND COMMAND	RX 168.3375 TX 168.3375 NO TONE NO TONE	Narrow	ALL FIRE DIVISIONS	King NIFC
13	A/G TAC 1	A/G TACTICAL	RX 164.8375 TX 164.8375 NO TONE NO TONE	Narrow	OAK/CLEAR FIRE ALL DIVISIONS	King NIFC
14	A/G TAC 2	A/G TACTICAL	RX 164.0125 TX 164.0125 NO TONE NO TONE	Narrow	CEDAR FIRE ALL DIVISIONS	King NIFC
15	CALCORD	CALCORD	RX 156.0750 TX 156.0750 TONE 156.7 TONE 156.7	Narrow	ALL FIRE DIVISIONS	King NIFC
16	AIR GUARD	ALL DIVISIONS	RX 168.6250 TX 168.6250 NO TONE Tone 110.9	Narrow	AIR EMERGENCY ONLY	King NIFC

5. Prepared by John Chapman NORCAL 1 COML **NOTE: Make sure the squelch knob is turned all the way to the left indent. This activates the RX Tone Guard**

# AIR OPERATIONS SUMMARY

PREPARED BY: Kerry Koskela

*BRK*

PREPARED DATE/TIME: 08/22/17 1930

<b>1. INCIDENT NAME:</b> Eclipse Complex	<b>2. OPERATIONAL PERIOD DATE:</b> 08/23/17 <b>START TIME:</b> 0600 <b>END TIME:</b> 1800 <b>SUNRISE:</b> 0629 <b>SUNSET:</b> 2002	<b>NOTE: AIRCRAFT CAN BE SHARED BETWEEN COMPLEXES</b>
<b>3. REMARKS</b> (Safety Notes, Hazards, Air Operations Special Equipment, etc) Possible unidentified low wires & cables in the river corridor. Rafters on the Klamath River. Limited visibility due to smoke, do not continue mission if visibility is marginal. Ensure all pilots are briefed on appropriate frequencies for that specific fire before launching. No dipping within 500 feet of the confluence of all major tributaries of the Klamath River. Use established procedures for bucket and tank sanitation where necessary. Observe the no fly zones for cultural ceremonies. PSD operations are planned if smoke conditions allow. See Project Aviation Safety Plan for specific information. 128.1750 now linked to Scott Valley and Happy Camp helibases.		
<b>4. MEDEVAC A/C:</b> H-407 out of Scott Valley for hoist With landing zone available non trama H-503 is available  See Medical Plan		<b>5. TFR: 717771</b> Ceiling :To and including 11000 MSL Polygon: See NOTAM TFR Frequency: 128.175  Latest change 8/23/17

6. PERSONNEL	Phone	7. FREQUENCIES		AM	FM	8. FIXED-WING	# Avail / Type/ Make-Model / FAA N# / Base(s)
		Air to Air TFR/Rotor	Air Tactics				
AODB: Kerry Koskela	530-643-6321	Air to Air TFR/Rotor		128.1750		Airtankers Lead Planes	Filled by request
ASGS: Steve Beall	530-598-6755	Air Tactics			169.1500		
ATGS: Todd White	530-263-5621	Air to Ground CMD		168.3375		ATGS Aircraft	N600WS F/W Aero Commander 690 Relief as requested Cobra AA 509 as requested
Scott Valley HB HEB1: Bill Lambert	530-598-4128	Branch I Air to Ground TAC			164.0125		Scott Valley Helibase Fax 530-468-2118 Scott Valley Helibase Mgr. 530-468-1294 Scott Valley Unicorn 122.8 Scott Valley Temp Tower 128.625
Happy Camp HB HEB2: Ray Wilson	530-493-1779	Happy Camp Unicorn		122.900		MISC.	H-407 is located at Durnsmuir and is used for fire line extrication and medivac only.

## 9. HELICOPTERS (Assigned to Eclipse)

CALL SIGN	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	CALL SIGN	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS
H-503	3	Bell 407	Happy Camp	08:30	08:00	Bucket	9RH	1	KMAX	Happy Camp	08:30	08:00	unavailable
H-506	2	Bell 205	Montague	08:30	08:00	Bucket	3HX	1	KMAX	Happy Camp	08:30	08:00	Bucket

## HELICOPTERS (Shared with KNF Lightning / Salmon August Complex)

CALL SIGN	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	CALL SIGN	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS
H-510	2	Bell 205	Scott Valley	08:30	08:00	Bucket	2WM	1	KMAX	Scott Valley	08:30	08:00	Bucket
1KA	1	KMAX	Scott Valley	08:30	08:00	Bucket	XFT	1	KMAX	Scott Valley	08:30	08:00	Bucket

**HELICOPTERS (Shared with Orleans Complex)**

CALL SIGN	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	CALL SIGN	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS
6HT	1	Skycrane	Scott Valley	08:30	08:00	Tanked	H-512	2	212 HP	Scott Valley	08:30	08:00	Bucket
25M	1	Skycrane	Scott Valley	08:30	08:00	Tanked	6TA	3	Bell 407	Scott Valley	08:30	08:00	HLCO
2WM	1	KMAX	Scott Valley	08:30	08:00	Bucket	7AC	3	Bell 407	Scott Valley	08:30	08:00	IR Mapping
H-516	2	212 HP	Scott Valley	08:30	08:00	Bucket	8MB	3	Astar	Orleans ICP	08:30	08:00	Recon
H-514	2	212 HP	Scott Valley	08:30	08:00	Bucket							

**10. MISSIONS**

Recons as requested

Water drops as requested

1KA available to the Eclipse Complex from Scott Valley to cover for 9RH

# MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name			2. Operational Period					
<b>Eclipse Complex</b>			Date/Time 8/23 to 8/24		Day 0600-2000 Night 1800-0800			
3. Ambulance Services								
Name	Location		Phone & EMS Frequency		Advanced Life Support (ALS) Yes No			
Shasta Amblance Unit 79	Cedar Fire – DP.10		Contact on Command			X		
Trinty Ambulance 308	Oak Fire - ICP		Contact on Command		X			
Happy Camp Amb. 23	Night Division – DP.20		Contact on Command		X			
Happy Camp Amb. 22	38 Park Way, Happy Camp CA		530-493-2643 or 530-842-3380		X			
4. Air Ambulance Services (COORDINATE with AIR AMBULANCES on CALCORD tone 6)								
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 (RN)	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				
5. Hospitals								
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	530-841-6292	X	444 Bruce St Yreka, CA
	Long:	W122°38.75						
	VHF:							
Asante Rogue Valley Memorial. Level II Trauma Center	Lat:	N42°19.08		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°33.29		1.5 hrs	6 hrs	916-734-3636 916-734-3790	X	2315 Stockton Blvd. Sacramento, CA
	Long:	W121°27.32						
	VHF:							
6. Division / Crew Pre-plan. Update and discuss with assigned resources daily								
Crew EMTs & Equipment			Happy Camp Airport: Lat: 41°47.448W Long: 123°23.238N					
Fireline EMTs & Location Adv. Life Support?								
Air Hoist site: Lat: / Long:								
Helispot: Lat: / Long:								
Alternate/No-fly plan:								
7. Remote Aid Stations								
<b>Medical Unit– ICP Happy Camp</b>  N41°47.48 W123°22.15			Point of Contact:			MEDL- Josh Ramey 530-277-1213		
			EMS Responders & Capability:			Frontline- Advanced Life Support		
			Equipment Available on Site:			Medical supplies		
			Ambulance ETA:			Air – 30 min. Ground – 5 min.		
8. Prepared By (Medical Unit Leader)			9. Date/Time		10. Reviewed By (Safety Officer)		11. Date/Time	
Josh Ramey MEDL 530-277-1213 cell or 530-493-1518 office			8/22/2017 2000		Michele Tanzi SOF1		8/22/2017 2000	



# MEDICAL PLAN (ICS 206 WF)

Medical Incident Report									
<p style="text-align: center;"><b>Use items one through nine to communicate situation to communications/dispatch.</b></p>									
<p><b>1. CONTACT COMMUNICATIONS DECLARE: "MEDICAL EMERGENCY" OR "NON-EMERGENCY MEDICAL TRANSPORT"</b>  <i>Ex: "Communications, Div. Alpha. Stand-by for a medical emergency on Div. Alpha" (If life threatening request designated frequency be cleared for emergency traffic.)</i></p>									
<p><b>2. INCIDENT STATUS:</b> <i>Provide incident summary and command structure.</i></p> <ul style="list-style-type: none"> <li>- <b>Nature of Injury/Illness</b> <i>Describe the injury (Ex: Broken leg with bleeding)</i> _____</li> <li>- <b>Incident Name</b> <i>Geographic Name + "Medical" (Ex: Trout Meadow Medical)</i> _____</li> <li>- <b>Incident Commander (Division Sup. or designee)</b> <i>Name of IC</i> _____</li> <li>- <b>Patient Care</b> <i>Name of Care Provider (Ex: EMT Smith)</i> _____</li> </ul>									
<p><b>3. INITIAL PATIENT ASSESSMENT:</b> <i>Complete this section for each pt. This is only a brief, initial assessment. Provide additional pt. info after completing this report</i></p> <ul style="list-style-type: none"> <li>- <b>Number of Patients:</b> _____    - <b>Male / Female:</b> _____    - <b>Age:</b> _____    - <b>Weight:</b> _____</li> <li>- <b>Conscious?</b>    <input type="checkbox"/> <b>YES</b>    <input type="checkbox"/> <b>NO = MEDEVAC!</b>    - <b>Breathing?</b>    <input type="checkbox"/> <b>YES</b>    <input type="checkbox"/> <b>NO = MEDEVAC!</b></li> <li>- <b>Mechanism of Injury</b> <i>What caused the injury?</i> _____</li> <li>- <b>Location, Lat/Long</b> <i>(Datum WGS84) Ex: N 40° 42.45' x W 123° 03.24'</i> _____</li> </ul>									
<p><b>4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center; padding: 2px;">SEVERITY</th> <th style="width: 50%; text-align: center; padding: 2px;">TRANSPORT PRIORITY</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"> <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> </td> <td style="padding: 2px;">                     Ambulance or MEDEVAC helicopter. Evacuation need is <b>IMMEDIATE.</b> </td> </tr> <tr> <td style="padding: 2px;"> <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> </td> <td style="padding: 2px;">                     Ambulance or consider air transport if at remote location. Evacuation may be <b>DELAYED.</b> </td> </tr> <tr> <td style="padding: 2px;"> <input type="checkbox"/> <b>ROUTINE-GREEN</b>  <i>Not a life threatening injury or illness. Ex: Sprains, strains, minor heat-related illness.</i> </td> <td style="padding: 2px;">                     Non-Emergency. Evacuation considered <b>Route of Convenience.</b> </td> </tr> </tbody> </table>		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>
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<p><b>5. TRANSPORT PLAN:</b></p> <p><b>Air Transport:</b> <i>(Agency Aircraft Preferred)</i></p> <p style="padding-left: 20px;"> <input type="checkbox"/> Helispot                      <input type="checkbox"/> Short-haul/Hoist                      <input type="checkbox"/> Life Flight                      <input type="checkbox"/> Other         </p> <p><b>Ground Transport:</b></p> <p style="padding-left: 20px;"> <input type="checkbox"/> Self-Extract                      <input type="checkbox"/> Carry-Out                      <input type="checkbox"/> Ambulance                      <input type="checkbox"/> Other         </p>									
<p><b>6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:</b></p> <p style="padding-left: 20px;"> <input type="checkbox"/> Paramedic/EMT(s)    <input type="checkbox"/> SKED/Backboard/C-Collar    <input type="checkbox"/> Crew(s)                      <input type="checkbox"/> Burn Supplies                      <input type="checkbox"/> Oxygen  <input type="checkbox"/> Trauma Bag                      <input type="checkbox"/> Medication(s)                      <input type="checkbox"/> IV/Fluid(s)                      <input type="checkbox"/> Cardiac Monitor/AED  <input type="checkbox"/> Other (i.e. splints, rope rescue, wheeled litter)         </p>									
<p><b>7. COMMUNICATIONS:</b></p> <p style="padding-left: 20px;">             - Run Medical Emergency on Command                      - <u>Coordinate with air ambulance on CALCORD tone 6</u> </p>									
<p><b>8. EVACUATION LOCATION:</b></p> <ul style="list-style-type: none"> <li>- <b>Lat/Long</b> <i>(Datum WGS84) EX: N 40 42.45' x W 123 03.24'</i> _____</li> <li>- <b>Patient's ETA to Evacuation Location:</b> _____</li> <li>- <b>Helispot/Extraction Size and Hazards:</b> _____</li> </ul>									
<p><b>9. CONTINGENCY:</b> <i>If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead...</i></p> <p>_____</p> <p>_____</p>									
<p><b>REMEMBER:</b>    -Confirm E1A's of resources ordered                      -Act according to your level of training              - <u>If air or ground ambulance is DELAYED:</u> Package and transport patient to rendezvous with incoming Ambulance.              Re-route EMS helicopter to rendezvous point as appropriate.</p>									

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

Div.	LCES Analysis of Tactical Applications (Hazardous Actions or Conditions)	LCES Mitigations/Warnings/Remedies
All	SMOKE & Terrain making it difficult to provide for emergency medical needs	<b>Do NOT assume Air resources will be able to assist. Pre-plan the "What ifs". Review Med Plan before the need arises.</b> Limit high risk activities. Have a backup plan or two. Discuss different scenarios AND Practice the "What if" scenarios. Each Division has Medical personnel.
<b>All Personnel Includes ICP</b>	Heat Related Illness/Injuries	<ul style="list-style-type: none"> <li>• <b>STAY HYDRATED</b> before, during and after shift.</li> <li>• <b>Pre-hydrate, Rehydrate to keep from DEHYDRATING</b></li> <li>• <b>Dehydration is PREVENTABLE</b></li> <li>• Be alert for signs of heat illness in yourself and others.     Drink 2 to 1 water to sports drinks.</li> </ul> <p>"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. <b>Order more, take more water/Electrolyte drinks.....it's FREE</b></p>
HWY 96	Driving with Limited Visibility due to Smoke	Higher RH% and Smoke particulates cause decreased visibility. <b>Reduce speeds. Low Beams</b> will be better than high beams to see through smoke. Increase distance between vehicles to allow for reaction time. When meeting oncoming traffic at night, come to a controlled stop. Turn headlights to running lights; assist other vehicle in backing to a safe place to allow safe passage around vehicle.
OAK & CEDAR	Increase in Fire Behavior	Inversion lifting after 1600. 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> Keep your eye out for <b>spots</b> from previous shift
All	Steep Terrain & Rolling Material	Ensure secure footing. Keep appropriate work spacing. <b>Focus!</b> Concentrate on foot placement to limit slips, trips and falls. Ensure adequate spacing between crewmembers so they can react to dislodged debris. Post lookouts to warn of rolling debris. <b>SHOUT out to warn others</b>
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.
OAK	Mop-up	<b>Mop-up to the extent necessary to maintain containment.</b> Scout work area prior to engaging in mop-up for fire weakened trees. Use qualified fallers to eliminate Danger Trees. Flag off areas too dangerous to enter. Share info with adjoining & relief resources.
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> Seek medical attention as needed.
All	Bees, Wasps, Hornets, Snakes	<b>Aggressive Snakes have been encountered in and around the Structure area. Notify and Communicate to adjoining resources.</b> Pre-Identify those resources with known allergies. Pre-plan your response (Epi-Pen's, Benadryl supply, Medical personnel etc).

Date & Time Prepared: August 22<sup>nd</sup>, 2017 @ 2100

Operational Period: August 23, 2017 from 0600 - 2000

Prepared By: Michele Tanzi - SOF1, Robert Hilfer - SOF2(t)

Operational Period: August 23/24, 2017 from 1800 - 0800

**CA-KNF-006098 (0505), P5K9QB**  
 Klamath National Forest  
 Northern California Incident Management Team 1



**Today's discussion is from the  
Fireline Safety Category.**

### **Rolling Material on a Hillside Igniting Fuel Below**

- **Can you locate/construct a line to prevent material rolling below?**
  
- **Will you get enough warning of rolling material to prevent being hit by it?**
  
- **Can you see any material that rolls below you, see where it goes, and what it does?**
  
- **Is the area free of large amounts of flashy fuels?**
  
- **Is the area free of chimneys, gullies, and steep slopes?**
  
- **Do you have two escape routes so you can go either way?**
  
- **To Reduce the Risks: Post lookouts; consider locating line in a defensible position**

# TRAINING MESSAGE

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**Trainees who have not previously checked in with the TNSP should do so immediately** (Use QR Code or URL below)



<https://goo.gl/aKZEkT>

## ***Beat the Rush!!***

**Trainer / Evaluators:** If as much work as possible has been completed in the position task book, you are ***strongly*** encouraged to take advantage of your time in camp and conduct the training close-out with the TNSP. It is not necessary to wait until demob!

**Brian Lamphiear  
Mary Leathers**



## **INCIDENT PERSONNEL CODE OF CONDUCT**

**Each individual on this incident is responsible for:**

- **Being prepared and able to perform their assigned duties effectively.**
- **Conducting themselves in a manner that treats others with dignity, equality, and respect.**
- **Abiding by agency ethics and conduct regulations.**
- **Reporting any harassment and other inappropriate behavior.**

**Each individual on this incident has the right to:**

- **Work in an environment that provides the appropriate risk management and safety measures.**
- **Work in a fair and harassment free work environment.**
- **Say NO to unwelcome advances or requests for favors.**
- **Report complaints or grievances in a timely manner through the appropriate channels.**

**There is ZERO tolerance for inappropriate behavior while assigned to this incident, that includes:**

- **Illegal drug use.**
- **Intoxication or alcohol use in fire camp.**
- **Unsafe work practices and activities.**
- **Discrimination.**
- **Sexual harassment.**
- **Fighting, threatening or abusive behavior.**
- **Other violations of USDA or Forest Service Standards of Conduct and Anti-Harassment Policy.**

**Failure to adhere to this Code of Conduct or the Anti-Harassment policy may result in dismissal from the incident and notification to your home unit.**

**Thank you for your attention to these simple measures that contribute to a positive work environment and support our professionalism and dedication to public service.**

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:		



