

Eclipse Complex

Incident Action Plan


Tuesday, Aug 22nd to Wednesday, Aug 23rd 2017
Day Shift 0600 – 2000 & Night Shift 1800 – 0800



- ✓ **Red Flag in effect in afternoon**
 - **Lightning possible near fire area (LAL 2). See 6MFS in IAP**
 - **Outflow boundary winds from Thunderstorms as far away as 10 miles could affect fire behavior.**
 - **Refer to page 21 in your IRPG for more Thunderstorm Safety info**
- ✓ **Working along HWY 96**
 - **Heavy Smoke conditions will impact visibility of drivers. Utilize your Hazard flashers when driving along or parked on the Highway**
 - **Utilize Traffic Control Group as needed for your protection**
 - **Use Caution when walking around your vehicle on the traffic side**
 - **If possible, wear a High Visibility Vest if standing on HWY 96 as long as it does not impede your firefighting efforts**



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

INCIDENT OBJECTIVES	1. Incident Name Eclipse Complex	2. Date 08/21/2017	3. Time 2000									
<p>4. Operational Period August 22-23, 2017 DAY / NIGHT SHIFT</p>												
<p><u>CONTROL OBJECTIVES</u></p>												
<p>1) Keep the Oak Fire:</p> <ul style="list-style-type: none"> • South of Kelly Lake Road (18N30) to protect, infrastructure, private property, cultural, and natural resources. • 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. • Within the western boundary of the Siskiyou Wilderness to protect natural resources. <p>2) Keep the Cedar, Clear, Prescott, and Four-Mile fires:</p> <ul style="list-style-type: none"> • Within remote national forest areas to protect heritage, cultural, and natural resources. <p>3) Confine, contain, or control all fires commensurate with values at risk.</p>												
<p><u>MANAGEMENT OBJECTIVES</u></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 cooperators, partners, and stakeholder relationships and provide timely and accurate incident information.</p>												
<p>6. Weather Forecast for Period</p> <ul style="list-style-type: none"> • See attached weather forecast. 												
<p>7. General Safety Message</p> <ul style="list-style-type: none"> • See attached safety messages. 												
<p>8. Attachments (mark if attached)</p>												
<table border="0"> <tr> <td><input checked="" type="checkbox"/> Organization List - ICS 203</td> <td><input checked="" type="checkbox"/> Medical Plan - ICS 206</td> <td><input checked="" type="checkbox"/> Weather</td> </tr> <tr> <td><input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204</td> <td><input checked="" type="checkbox"/> Incident Map</td> <td><input checked="" type="checkbox"/> ICS215a</td> </tr> <tr> <td><input checked="" type="checkbox"/> Communications Plan - ICS 205</td> <td><input checked="" type="checkbox"/> ICS 220</td> <td><input type="checkbox"/> Rehab Considerations</td> </tr> </table>				<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
<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										
<p>9. Prepared by (Planning Section Chief) Walter Herzog</p>		<p>10. Approved by (Incident Commander) Curtis Coots </p>										

ORGANIZATION ASSIGNMENT LIST

Eclipse Complex		Ordering	Aaron Woods
1. Incident Name	Facilities Unit		
2. Date	3. Time	Ground Support Unit	
August 21, 2017	2100	Communications Unit	
4. Operational Period			
Day and Night Shift, August 22-23, 2017			
Position	Name	COMT / INCM	
5. Incident Commander and Staff			
Incident Commander	Curtis Coofs		
Deputy	Paul Bannister		
Safety Officer	Michele Tanzi, Jeff Barnhart, Mike Frederick, Robert Hilfer (t)		
Information Officer	Phyllis Swanson, Barbara Rebiskie, Kathy Hardy		
Liaison Officer	Kent Swartzlander		
6. Agency Representative			
Agency Administrator	Jeff Marszal		
Deputy Agency Administrator	Eric Baxter		
Karuk Tribal Rep	Earl Crosby		
Heritage Coordinator	Herman Albers		
Cal Fire	Luke Kendall		
READ	Greg Bousfield		
Heritage Read	Matther Padilla		
IARR Southwest	Gabriel Partido		
7. Planning Section			
Chief	Walter Herzog		
Deputy	Alan Taylor		
Resources Unit	Marissa Jones		
Situation Unit	Eric Kronner, Travis Neppel (t)		
Demobilization Unit	Gary Deboi		
Documentation Unit	Rex Crabtree		
Training			
CTSP	George Steel		
GISS	Jim Gonzalez, Kent Bloomer(t), Zach Rich (t), John Hageness, Mike Miller		
FBAN	Bob Patton		
IMET	Ryan Walbrun		
SCKN(t)	Marissa Williams		
LTAN	Clint Isbell		
8. Logistics Section			
Chief	Mike Jellison, Richard Crowther (t)		
Deputy			
Supply Unit	David Alicea		
9. Operations Section			
Operations – Day			
Operations – Night			
Planning Ops			
a. Division/Groups			
Branch I			
Division/Group	CEDAR B	Jack Sevelson, Brian Combs (t)	
Division/Group	CEDAR W	Cheveyeo Munk, Aaron Knudson (t)	
Division/Group	CEDAR G/H	unstaffed	
b. Division/Groups			
Branch II			
Division/Group	OAK D	Tim Ritchey, Tommy Hawkins (t)	
Division/Group	OAK F	Richard Inghram, Leland Ratcliff (t)	
Division/Group	OAK Z	Mike Sherman, Joe McGill (t)	
Division/Group	CLEAR	Unstaffed	
A/C/M			
PRESCOTT FIRE		Unstaffed	
OAK NIGHT		Paul Maricusa, Stephanie Gleason (t)	
c. Division/Groups			
Contingency Branch			
Structure		Mario Gomez (t)	
10. Finance Section			
Air Operations Branch			
Director		Kerry Koskela	
Air Attack Supervisor			
Air Support Supervisor		Steve Beall, Jim Gould	
Chief			
Time Unit		Lois Charlton	
Equipment Unit		Alejandra Pena-Godoy	
Personnel Unit		Louise Casias	
Cost Unit		Lou Ann Charbonnier (t)	
Compensation/Claims Unit		Debbie McIntosh	
Prepared by (Resource Unit Leader)			
Gary R. Deboi			

DIVISION ASSIGNMENT LIST		1. Branch	I	2. Division/Group	B		
3. Incident Name		4. Operational Period					
Eclipse Complex (Cedar Fire)		Date: August 22, 2017	Time: 0600-2000				
5. Operations Personnel							
Operations Chief	Alec Lane	Division/Group Supervisor	Jack Sevelson, Brian Combs (†)				
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 5 (C-7 Eclipse)	Nathan Parker	8/22	22	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 Greenhouse E-27(E-180 Eclipse)	Nick Drogowski	8/28	2	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 (†)	Cody Stacher	8/25	1	N	ICP/0600	ICP/2000	
TFLD O-72	Chad Machmer	8/26	2	N	ICP/0600	ICP/2000	
TFLD (†) O-73	Adam James	8/26	1	N	ICP / 0600	ICP / 2000	
FEMP O-10 (O-35 Eclipse)	Nick Rubin	8/30	1	N	ICP / 0600	ICP / 2000	
FEMT O-8 (O-6 Eclipse)	John Muraoka	8/30	1	N	ICP / 0600	ICP / 2000	
EMTF (O-80 Eclipse)	Blake Scott	8/22	1	N	ICP / 0600	ICP / 2000	
REMS 1 (O-23 Eclipse)	Stockton	8/31	1	N	ICP / 0600	ICP / 2000	
ARCH	Matthew Padilla		1	N	ICP / 0600	ICP / 2000	
ARCH (O-48 Eclipse)	Peter Schmidt		1	N	ICP / 0600	ICP / 2000	
REAF (O-59 Eclipse)	Troy Maliks	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							
Continue to prep the 19N01 Road to the north.							
Begin to prep the boundary trail east to Pyramid Peak as resources become available.							
Backhaul unnecessary supplies and trash.							
Special Instructions: James Courtright SOF2 shared with Division W.							
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	Date	August 21, 2017	Time	2100

DIVISION ASSIGNMENT LIST	1. Branch I	2. Division/Group W
3. Incident Name Eclipse Complex (Cedar Fire)	4. Operational Period Date: August 22, 2017	Time: 0600-2000

5. **Operations Personnel**

Operations Chief	Alec Lane	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
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 KNF 21 (E-82 Eclipse)	Roman Dobratz	8/22	2	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		1	N	ICP / 0600	ICP / 2000

7. **Control Operations**
 Continue firing operations on dozer line.
 Backhaul unnecessary supplies and trash.

Special Instructions: Joe Morris SOFR (T) shared with Division B.

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	Date	August 21, 2017	Time	2100

DIVISION ASSIGNMENT LIST	1. Branch II	2. Division/Group D (Page 1 of 2)				
3. Incident Name Eclipse Complex (Oak Fire)	4. Operational Period Date: August 22, 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
HC2A Firestorm C-17 (C-36 Eclipse)	Stanley Hawkins	8/25	20	N	Spike	Spike
HC2 Fort Apache #3 (C-41 Eclipse)	Lowell Kasey	8/25	20	N	Spike	Spike
HC2 Gunnison River C-1 (C-37 Eclipse)	Mike Megel	8/23	20	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 Delryia	8/27	3	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	1	N	Spike	Spike
WT2 Steve Lassen (E-183 Eclipse)	Ken Rowe	9/3	1	N	Spike	Spike
DOZ2 E-4 Lonestar	Heather Alexander	8/31	2	N	Spike	Spike
DOZ2 E-44 Peters (E-73 Eclipse)	Chris Olivolo	8/11	1	N	Spike	Spike
CHIP T1 Cecil Logging (E-16 Eclipse)	Will Draper	9/1	2	N	Spike	Spike
CHIP T1 Greenhouse E-27(E-180 Eclipse)	Nick Drogowski	8/28	2	N	Spike	Spike
MAST North State (E-96 Eclipse)	Hoyt Baker	9/1	2	N	Spike	Spike
FALM (O-159 Eclipse)	Kevin Blankenship	9/2	2	N	Spike	Spike
7. Control Operations .Prep the 17N11,17N23, and dozer line to South Fork Indian Creek. Mop-up and patrol to maintain containment. Scout opportunities for contingency line. Backhaul unnecessary supplies and trash.						
Special instructions: Spike Camp Safety officers shared with Division F.						
Function	Frequency	Name	Channel	Function	Frequency	Name
Command	RX171.0375N TX165.3625N	CMD3	3 (Tone 146.2)	Air to Ground	RX 168.3375 TX 168.3375	A/G CMD
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
Prepared by (Resource Unit Leader) Marissa Jones	Approved by (Planning Section Chief) Walt Herzog <i>Walt Herzog</i>	Date August 21, 2017	Time 2100			

DIVISION ASSIGNMENT LIST		1. Branch II	2. Division/Group D (Page 2 of 2)			
3. Incident Name Eclipse Complex (Oak Fire)						
4. Operational Period Date: August 22, 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
HEQB O-15 (O-69 Eclipse)	Andy Achter	8/26	1	N	Spike	Spike
TFLD O-9	Robert Kelly	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 South Fork Indian Creek. Mop-up and patrol to maintain containment. Scout opportunities for contingency line. Backhaul unnecessary supplies and trash.						
Special Instructions: Spike Camp Safety officers shared with Division F.						
Function	Frequency	Name	Channel	Function	Frequency	Name
Command	RX171.0375N TX165.3625N	CMD3	3 (Tone 146.2)	Air to Ground	Rx 168.3375 Tx 168.3375	A/G CMD
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
Prepared by (Resource Unit Leader) Marissa Jones		Approved by (Planning Section Chief) Wait Herzog		Date August 21, 2017		Time 2100

Wait Herzog

DIVISION ASSIGNMENT LIST	1. Branch II	2. Division/Group F (Page 1 of 2)
3. Incident Name Eclipse Complex (Oak Fire)	4. Operational Period Date: August 22, 2017 Time: 0600-2000	

5. Operations Personnel

Operations Chief	Alec Lane	Division/Group Supervisor	Richard Inghram, Leland Ratcliff (†)
Branch Director	Don Fregulia	Air Attack Supervisor No.	

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 Mill Creek IHC (C-19 Eclipse)	John Ellison	8/27	20	N	ICP / 0600	ICP / 2000	
HC1 Smith River IHC (C-12 Eclipse)	Jeremiah Mendes	8/25	19	N	ICP / 0600	ICP / 2000	
HC1 Tallac IHC	Kyle Betty	8/23	19	N	ICP / 0600	ICP / 2000	
HC2IA Eagle Lake C-4	Ben Wheeler	8/28	19	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 13 E-24	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 17 E-13	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 Cattletack Ranch E-7 (E-162 Eclipse)	Zane Palmerton (Day)	8/26	1	N	ICP / 0600	ICP / 2000	
WT2 Cattletack Ranch E-8 (E-163 Eclipse)	Jim Goldie (Day)	9/3	1	N	ICP / 0600	ICP / 2000	
DOZ2 E-2 Ben's Truck (E-159 Eclipse)	Tony Duerr	8/25	2	N	ICP / 0600	ICP / 2000	
DOZ2 North State (E-34 Eclipse)	Mitch Wiley (Day)	8/31	1	N	ICP / 0600	ICP / 2000	
DOZ2 Carlson Const. (E-134 Eclipse)	Curt Carlson	9/1	2	N	ICP / 0600	ICP / 2000	

7. Control Operations
 Hold fire within existing containment lines.
 Reopen and construct dozer lines to protect the community of Happy Camp.
 Scout opportunities for contingency line.
 Backhaul unnecessary supplies and trash.

Special instructions:
 Safety officers shared with Division D.

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 21, 2017	Time 2100
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DIVISION ASSIGNMENT LIST	1. Branch II	2. Division/Group F (Page 2 of 2)
3. Incident Name Eclipse Complex (Oak Fire)	4. Operational Period Date: AUGUST 22, 2017	Time: 0600- 2000

5. **Operations Personnel**

Operations Chief	Alec Lane	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
DOZ2 Carlson Const. (E-127 Eclipse)	Kurtis Embury	9/1	2	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
HEQB (O-197 Eclipse)	Kevin Case	9/4	1	N	ICP / 0600	ICP / 2000
TFLD (O-39 Eclipse)	Robert Hoyle		1	N	ICP / 0600	ICP / 2000
TFLD (t) (O-103 Eclipse)	Shilo Springstead	8/31	1	N	ICP / 0600	ICP / 2000
SOF2 (O-14 Eclipse)	Mike Frederick	8/29	1	N	ICP / 0600	ICP / 2000
EMPF (O-28 Eclipse)	Paul Gonsolis	8/31	1	N	ICP / 0600	ICP / 2000
FEMT (O-3 Eclipse)	Karen Lichti	8/30	1	N	ICP / 0600	ICP / 2000
REMS 2 (O-22 Eclipse)	Milpitas	8/31	1	N	ICP / 0600	ICP / 2000
CULS (O-81 Eclipse)	Joe Jerry	8/31	1	N	ICP / 0600	ICP / 2000
FOBS O-153	Bruce Cann	9/1	1	N	ICP / 0600	ICP / 2000
EMTF (O-17 Eclipse)	Sayer Morgan	9/1	1	N	ICP / 0600	ICP / 2000
EMPF (O-36 Eclipse)	Michael Scardina	9/1	1	N	ICP / 0600	ICP / 2000
CULS (O-151 Eclipse)	Alex Watts-Tobin	8/31	1	N	ICP / 0600	ICP / 2000
FOBS O-53 (t)	Michael Townsend	8/30	1	N	ICP / 0600	ICP / 2000

7. **Control Operations**
 Hold fire within existing containment lines.
 Reopen and construct dozer lines to protect the community of Happy Camp.
 Scout opportunities for contingency line.
 Backhaul unnecessary supplies and trash.

Special Instructions:
 Safety officers shared with Division D.

Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX 171.0375N TX 165.3625N	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	RX 164.8375N TX 164.8375N	A/G TAC 1	13
Prepared by (Resource Unit Leader) Gary R Deboi	Approved by (Planning Section Chief) Walt Herzog <i>Walt Herzog</i>		Date	August 21, 2017	Time	2100	

DIVISION ASSIGNMENT LIST	1. Branch II	2. Division/Group Z (Page 1 of 2)
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3. Incident Name
Eclipse Complex (Oak Fire)

4. Operational Period
Date: **AUGUST 22, 2017** Time: **0600- 2000**

5. Operations Personnel

Operations Chief **Alec Lane** Division/Group Supervisor **Mike Sherman, Joe McGinn (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 Little Tujungga IHC (C-20 Eclipse)	Oscar Vargas	9/1	20	N	ICP / 0600	ICP / 2000
HC1 Plumas IHC (C-2 Eclipse)	Mike Sherman	8/24	20	N	ICP / 0600	ICP / 2000
HC2IA Lassen HS (C-17 Eclipse)	Allen Schultze	8/29	19	N	ICP / 0600	ICP / 2000
SJT ENG3 SHF 3675C (E-31 Eclipse)	Liz Younger/Adam Zaharris(t)	8/29	27	N	ICP / 0600	ICP / 2000
ENG3 CNF 329 (E-120 Eclipse)	Steve Reyes	9/2	5	N	ICP / 0600	ICP / 2000
ENG3 PNF 324 (E-106 Eclipse)	Andrew Patota	9/1	5	N	ICP / 0600	ICP / 2000
ENG3 AZNCO (E-117 Eclipse)	Vincent Nielson	9/2	4	N	ICP / 0600	ICP / 2000
WT2 Cattielack Ranch E-9 (E-164 Eclipse)	Gary Showpe (Night)	9/3	1	N	ICP / 0600	ICP / 2000
WT2 White Logging E-51 (E-69 Eclipse)	Tom White	9/3	1	N	ICP / 0600	ICP / 2000
MAST Diversified Resources (E-33 Eclipse)	Justin Claughton	8/31	2	N	ICP / 0600	ICP / 2000
DOZ2 E-1 Kev's Backhoe (E-158 Eclipse)	Kevin Carlson	8/25	2	N	ICP / 0600	ICP / 2000
DOZ2 E-2 Ben's Truck (E-159 Eclipse)	Tony Duerr	8/25	2	N	ICP / 0600	ICP / 2000
GRD1 Moody (E-35 Eclipse)	Tom Relisze	9/1	1	N	ICP / 0600	ICP / 2000
MAST E-26	Colter Holleman	8/31		N	ICP / 0600	ICP / 2000
FALM (E-102 Eclipse)	Dustin Brown	9/2	2	N	ICP / 0600	ICP / 2000
STEN (0-140 Eclipse)	Duane Noffz	9/2	1	N	ICP / 0600	ICP / 2000
TFLD (t) (O-160 Eclipse)	Nolan Reynolds	9/1	1	N	ICP / 0600	ICP / 2000
HEQB O-68 (O-89 Eclipse)	Casey Rustenhoven	8/29	1	N	ICP / 0600	ICP / 2000
HEQB O-57 (O-146 Eclipse)	Terrell Drew		1	N	ICP / 0600	ICP / 2000
TFLD (O-203 Eclipse)	Harold Reed	9/3	1	N	ICP / 0600	ICP / 2000

7. Control Operations
Construct headline from the 16N12 Road to Clear Creek and from H7 to Clear Creek.
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	Date	August 21, 2017	Time	2100

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DIVISION ASSIGNMENT LIST	1. Branch II	2. Division/Group Z (Page 2 of 2)
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3. Incident Name
Eclipse Complex (Oak Fire)
 4. Operational Period
Date: **August 22, 2017** Time: **0600- 2000**

5. **Operations Personnel**
 Operations Chief: **Alec Lane** Division/Group Supervisor: **Mike Sherman, Joe McGinn (t)**
 Branch Director: **Don Fregulia** Air Attack Supervisor No.

6. **Resources Assigned this Period**

Strike Team/Task Force/ Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
SOFR (O-199 Eclipse)	Scott Belknap	8/30	1	N	ICP / 0600	ICP / 2000
SOFR (O-148 Eclipse)	Tim Quigley	9/4	1	N	ICP / 0600	ICP / 2000
SOFR O-59	Robert Fisher	8/30	1	N	ICP / 0600	ICP / 2000

7. Control Operations
 Construct headline from the 16N12 Road to Clear Creek and from H7 to Clear Creek.
 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**
 Date: **August 21, 2017** Time: **2100**

DIVISION ASSIGNMENT LIST 1. Branch **II** 2. Division/Group **Structure Group (Page 1 of 2)**

3. Incident Name **Eclipse Complex (Oak Fire)** 4. Operational Period Date: August 22, 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
ENG3 KNF-75	Harris Stoner	8/22	7	N	ICP / 0600	ICP / 2000
HC2 Cobras 4 (C-23 Eclipse)	J. Torres	8/27	21	N	ICP / 0600	ICP / 2000
HC2IA GFP 15 Delta (C-22 Eclipse)	Brandon Campbell	8/31	20	N	ICP / 0600	ICP / 2000
S/T ENG3 SKU 9262C	Shane Emry		19	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	8/8	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)	<i>Walt Herzog</i>	Date	August 21, 2017	Time	2100

DIVISION ASSIGNMENT LIST		1. Branch	2. Division/Group
		II	Structure Group (Page 2 of 2)
3. Incident Name			
Eclipse Complex (Oak Fire)		4. Operational Period	
		Date: August 22, 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	Pick Up Pt./Time
DOZ2 92 Coleman Env. Eng. (E-149 Eclipse)	Joey Coleman (Day)	9/3	3	N	ICP / 0600 ICP / 2000
DOZ2 E-44 Peters (E-73 Eclipse)	Chris Olivolo	8/11	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-78 Eclipse)	Chris Watkins	8/27	1	N	ICP / 0600 ICP / 2000
TFLD (t) (O-122 Eclipse)	Matt Flying	9/1	1	N	ICP / 0600 ICP / 2000
STEN (O-174 Eclipse)	Chris Farinetti	9/4	1	N	ICP / 0600 ICP / 2000
SOFR (O-21.52 Eclipse)	Robert Hilfer	8/28	1	N	ICP / 0600 ICP / 2000
FEMT (O-5 Eclipse)	Adam Vollmer	8/30	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)		Approved by (Planning Section Chief)		Date		Time	
Marissa Jones		Walt Herzog <i>Walt Herzog</i>		August 21, 2017		2100	

DIVISION ASSIGNMENT LIST		1. Branch	2. Division/Group Contingency				
3. Incident Name Eclipse Complex (Oak Fire)		4. Operational Period Date: August 22, 2017 Time: 0600-2000					
5. Operations Personnel							
Operations Chief	Alec Lane/Mario Gomez (T) 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		
TFLD(T) (O-229 Eclipse)	Curtis Matthews	1	N	ICP / 0600	ICP / 2000		
FAL1 (O-158 Eclipse)	Adam Miller/Logan Miller	2	N	ICP / 0600	ICP / 2000		
DO22 Brad Ingram Const. (E-150 Eclipse)	Brad Ingram (Day)	1	N	ICP / 0600	ICP / 2000		
DO22 Let-Er-Buck (E-89 Eclipse)	Steve Lassen	1	N	ICP / 0600	ICP / 2000		
DO22 Tim Johnson (E-147 Eclipse)	Tim Johnson/Mark Johnson	2	N	ICP / 0600	ICP / 2000		
ARCF (O-191 Eclipse)	Joshua Massey	1	N	ICP / 0600	ICP / 2000		
REAF (O-240 Eclipse)	Nick Meyer	N	N	ICP / 0600	ICP / 2000		
FEMP (O-9 Eclipse)	Zachary Brown	1	N	ICP / 0600	ICP / 2000		
7. Control Operations Assess and prep line east of the river to protect the community of Happy Camp. Re-open existing dozer lines on Titus Ridge.							
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 168.2000N TX 168.2000N	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>Walt Herzog</i>	Date August 21, 2017	Time 1600				

DIVISION ASSIGNMENT LIST	1. Branch II	2. Division/Group NIGHT (Page 1 of 2)
3. Incident Name Eclipse Complex (Oak Fire)	4. Operational Period Date: August 22-23, 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 Cattletack Ranch E-7 (E-162 Eclipse)	Randy Horn (Night)	8/26	1	N	ICP / 1800	ICP / 0800
WT2 Cattletack Ranch E-8 (E-163 Eclipse)	Eugene Graham (Night)	9/3	1	N	ICP / 1800	ICP / 0800
WT2 Cattletack Ranch E-9 (E-164 Eclipse)	Gary Showpe (Night)	9/3	1	N	ICP / 1800	ICP / 0800
SKID1 5360 E-94	Elijah 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>Walt J. Herzog</i>	Date	August 21, 2017		Time	2100	

DIVISION ASSIGNMENT LIST	1. Branch II	2. Division/Group NIGHT (Page 1 of 2)
3. Incident Name Eclipse Complex (Oak Fire)	4. Operational Period Date: August 22-23, 2017 Time: 1800- 0800	

5. Operations Personnel		
Operations Chief	Mike Klimek (t)	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
FEMT (O-12 Eclipse)	Shawn Johnson	8/30	1	N	ICP / 1800	ICP / 0800
SOFR (O-200 Eclipse)	Mark Tait	8/31	1	N	ICP / 1800	ICP / 0800
SOF2 (O-201 Eclipse)	Josh Pero	8/31	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	CMD3	3 (Tone 146.2)	Air to Ground	RX168.3375N	A/G CMD	12
	TX165.3625N				TX168.3375N		
Tactical Div/Group	RX168.2000N	TAC 2	5 (Tone 146.2)	Air to Ground	RX164.8375N	A/G TAC 1	13
	TX168.2000N				TX164.8375N		
Prepared by (Resource Unit Leader) Marissa Jones		Approved by (Planning Section Chief) Walt Herzog <i>Walt J. Herzog</i>		Date	August 21, 2017 Time 2100		



Eclipse Complex Fire Weather Forecast

FORECAST NO: 10

NAME OF FIRE: KNF-006098-Eclipse Complex

PREDICTION FOR: 0600-1800 Day Shift

UNIT: Klamath NF- Happy Camp RD

SHIFT DATE: 8/22

SIGNED: *R. W. Nelson*

TIME AND DATE

Incident Meteorologist-Ryan Walbrun

FORECAST ISSUED: 2100 8/21/17

...Red Flag Warming for Abundant Lightning East of Seiad Valley 2pm-11pm Tuesday...

WEATHER DISCUSSION: Heavy smoke in the morning underneath the inversion layer. Smoke will gradually lift through midday. A Red Flag Warning goes into effect after 2 pm for possible thunderstorms with abundant lightning over dry fuels. At this time the best chances look to be south and east of our fires. However, crews should review basic thunderstorm safety and be prepared for possible outflow winds. Due to light winds aloft any storms that develop do have the potential to drop 0.25 of rain under their core so wet storms are possible, mainly east of the complex. Dry strikes outside of the main cores could lead to new starts. Daytime highs still in the 80s with afternoon humidity 19-24%. Ridge winds will be Southwest by midday and eventually turn Westerly towards the end of the operational period.

...Thunderstorms imply strong, erratic and gusty winds...

WEATHER FORECAST for TODAY:

WEATHER: Thick smoke through early afternoon then slowly lifting. A 15% chance of thunderstorms after 1400 hours but mainly south and east of the complex.

TEMPERATURES: Afternoon highs 80 smoke covered ridges to upper 80s Div Z at 2000 feet. 94 DP-20.

HUMIDITY: 22-26% most of the day, then lowering 16-21% late in the period as the inversion weakens.

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: 2...except 3 east of Seiad Valley.

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

OUTLOOK FOR TUESDAY NIGHT: Thunderstorms possible in the evening but quickly dissipating to our east. Smoke settling into the drainages again. Slightly better humidity recovery 50-60% most areas except 70% along Hwy 96 near Div Z. Ridge winds becoming West to Northwest 5-10 mph.

EXTENDED OUTLOOK: Winds becoming more Westerly on Wednesday as the trough shifts eastward. Thunderstorm chances look to stay well to our east but close enough to keep an eye on. Big change for Wednesday will be stronger west winds which may allow for some clearing through Weds night. High pressure quickly rebuilds Thursday and Friday with a warming and drying trend and return of North winds.

EXTRA INFORMATION: Portable Weather Station is on Baldy Mtn Lookout. Line of sight radio transmission can be received on Frequency 163.350 Tone 0057. (transmit and receive no tone guard).

FIRE BEHAVIOR FORECAST

FORECAST NUMBER 12	TYPE OF FIRE: Wildland Fire
FIRE NAME: Eclipse Complex	OPERATIONAL PERIOD: Day shift August 22, 2017
DATE ISSUED: August 21, 2017	TIME ISSUED: 1900
UNIT: Klamath NF	SIGNED: Bob Patton  FBAN

WEATHER SUMMARY:

****Please See attached Fire Weather Forecast****

RED FLAG WARNING FOR ABUNDANT LIGHTNING EAST OD SIAD VALLEY 2 PM- 11 PM TODAY

Weather: Thick smoke through early afternoon then slowly lifting. 15% of thunderstorms after 1400 hours but mainly south and east of the complex.

Max Temp: Afternoon high 80°s smoke covered ridges to upper 80°s Division Z at 2000'. 94° DP 20

Min RH: 20-26% most of the day, then lowering 16-21% late in the period after the inversion weakens.

Winds: 20'

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

Ridgetop: South then southwest 3-6 mph a few gusts 8-10 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 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 *64 around the 8th percentile*, down from the *94th percentile* over a week and a half ago but has been rising the past few days. ERC's at Oak Knoll are *65 around the 87th percentile* down from the *94th percentile* over a week and a half ago and are slowly rising as well. Live fuel moisture is approximately *97% in Manzanita, and 116-118% in Tan Oak. Probability of ignition: 30-50% depending on aspect and shading.* Maximum spotting distance *up to one mile. Maximum Rate of Spread up to 1-12 ch/hr, and Flame lengths 1-10' in surface fire.* If smoke clears, *slope and fuel that are in alignment with the wind could experience enhanced fire behavior.*

SPECIFIC FIRE BEHAVIOR

Cedar Fire: Yesterday IR indicated growth most directions but is still holding in Thompson Creek. Fire behavior in the morning under the inversion should be minimal with slow backing with slow forward rate of spread in available fuel most of the day.

Four Mile Fire: Firing operations yesterday went well with decent depth in the timber stringers in the brush. Fuels will continue to burnout out today from yesterdays firing operation.

Oak Fire: Minimal fire behavior in Division Delta with the exception of fuels burning out from firing operations. Ridgetop winds will be out of the south today a moving over containment lines. Fire behavior today under the inversion should be limited to active surface fire and backing in available fuels. Fuels will continue to burn out from yesterdays firing operation, and the fire will continue backing south towards 15N02.

Clear Fire: Minimal fire activity is anticipated.

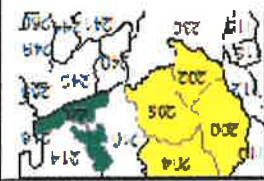
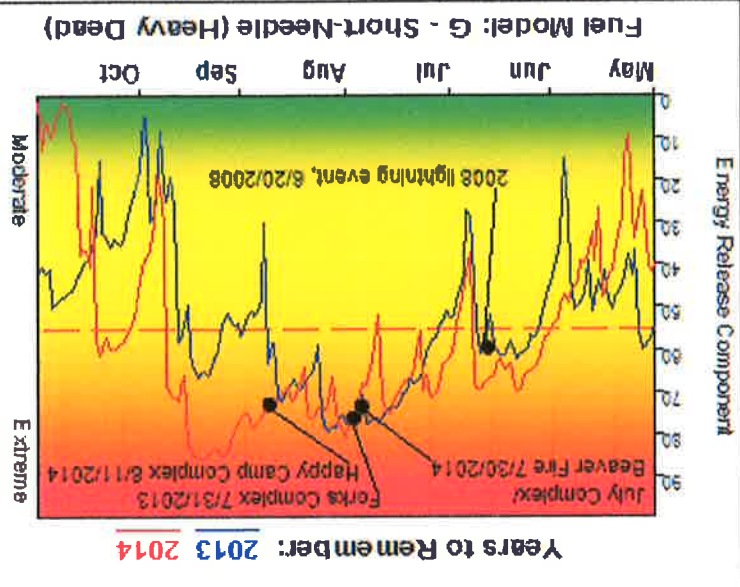
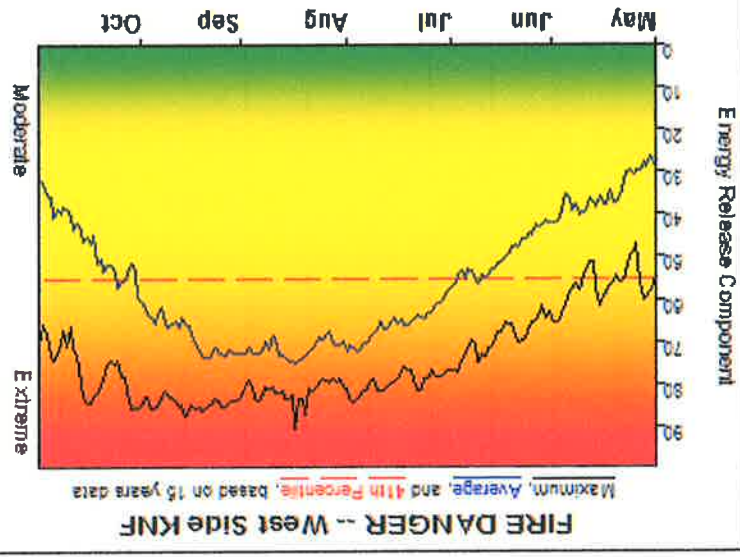
Prescott Fire: The fire is surrounded by historical fire scars consisting of brush and snags with the exception of the west flank and the north flank that apparently there is no recorded fire history. Yesterdays IR indicated intense heat in various areas around the entire fire, but mostly concentrated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

Gusty outflow winds can cause fire spread in all directions. Be sure to implement LCES.



Fire Danger Area:

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

Fire Danger Interpretation:

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

Fire Danger Interpretation:

- Highest Energy Release Component by day for 2000 - 2014
- Average -- shows peak fire season over 15 years (2756 observations)
- Only 41% of the 2756 days from 2000 - 2014 had an Energy Release Component below 55
- Combinations of any of these factors can greatly increase fire behavior
- 20' Wind Speed over 4 mph, RH less than 22%, Temperature over 79, 1000-Hour Fuel Moisture less than 12

Local Thresholds - Watch out:

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, Some Bar, Slater Butte, Blue Ridge, Oak Knoll, Slater Butte, Collins Baldy, Quartz Hill, Callahan #2 (2003-Present), and Dutch-Inlay (2010-Present) RAWS data was used.

Responsible Agency: Klamath National Forest
 FF-4.1 build 1622 02/23/2013-16:56 (C:\Users\kvwande...KNF_pandof record_V310c12014)

Design by NWCG Fire Danger Working Team

1. Incident Name Eclipse Complex	2. Date/Time Prepared 8/21/2017 1800	3. Operational Period Date/Time 8/22-23 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	Narrow	ALL DIVISIONS, SLATER BUTTE L.O.	King NIFC
2	CMD 2	CLEAR FIRE	RX 173.0375 TX 167.3250 TONE 146.2	Narrow	ALL DIVISIONS, ELBOW SPRINGS	King NIFC
3	CMD 3	OAK FIRE	RX 171.0375 TX 165.3625 TONE 146.2	Narrow	ALL DIVISIONS, BALDY MTN	King NIFC
4	TAC 1	DIV B	RX 168.0500 TX 168.0500 TONE 146.2	Narrow	CEDAR FIRE	King NIFC
5	TAC 2	CONTINGENCY GROUP/OAK NIGHT	RX 168.2000 TX 168.2000 TONE 146.2	Narrow	CONTINGENCY GROUP/OAK NIGHT	King NIFC
6	TAC 3	DIV D	RX 168.6000 TX 168.6000 TONE 146.2	Narrow	OAK FIRE	King NIFC
7	TAC 5	DIV F	RX 168.7250 TX 168.7250 TONE 146.2	Narrow	OAK FIRE	King NIFC
8	TAC 6	DIV W	RX 166.7750 TX 166.7750 TONE 146.2	Narrow	CEDAR FIRE	King NIFC
9	TAC 7	DIV Z	RX 168.2500 TX 168.2500 TONE 146.2	Narrow	OAK FIRE	King NIFC
10	TAC 1	STRUCTURE GROUP	RX 168.0500 TX 168.0500 TONE 146.2	Narrow	ALL FIRES	King NIFC
11	ORANGE	KNF FIRE RPT IA	RX 172.2750 TX 164.7000 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	Narrow	ALL FIRE DIVISIONS	King NIFC
13	A/G TAC 1	A/G TACTICAL	RX 164.8375 TX 164.8375 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	Narrow	CEDAR FIRE ALL DIVISIONS	King NIFC
15	CALCORD	CALCORD	RX 156.0750 TX 156.0750 TONE 156.7	Narrow	ALL FIRE DIVISIONS	King NIFC
16	AIR GUARD	ALL DIVISIONS	RX 168.6250 TX 168.6250 NO TONE	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 *KRK*

PREPARED DATE/TIME: 08/21/17 1930

1. INCIDENT NAME: Eclipse Complex	
2. OPERATIONAL PERIOD DATE: 08/22/17 START TIME: 0600 END TIME: 1800 SUNRISE: 0629 SUNSET: 2002	
NOTE: AIRCRAFT CAN BE SHARED BETWEEN COMPLEXES	
<p>3. REMARKS (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.</p> <p>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 helibase.</p>	<p>4. MEDVAC A/C: H-407 out of Scott Valley for hoist With landing zone available non trauma H-503 is available See Medical Plan</p> <p>5. TFR: 7/5651 Ceiling: To and including 11000 MSL Polygon: See NOTAM TFR Frequency: 128.175</p>

6. PERSONNEL	Phone	7. FREQUENCIES	AM	FM	8. FIXED-WING	# Avail / Type/ Make-Model / FAA N# / Base(s)
AOBD: Kerry Koskela	530-643-6321	Air to Air TFR/Rotor	128.1750		Airtankers	Filled by request
ASGS:	Air Tactics		169.1500		Lead Planes	
ATGS: Todd White	530-263-6621	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	530-598-4128	Branch I Air to Ground TAC	164.0125		MISC:	Scott Valley Helibase Fax 530-468-2118 Scott Valley Helibase Mgr. 530-468-1294 Scott Valley Unicom 122.8 Scott Valley Temp Tower 128.625
HEB1: Bill Lampert		Branch II Air to Ground TAC	164.8375			H-407 is located at Scott Valley and is used for fire line extrication and medivac only.
Happy Camp HB	530-493-1779	Happy Camp Unicom	122.900			

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	Happy Camp	TBA	TBA	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	Ball 407	Scott Valley	08:30	08:00	HLCO
2WM	1	KMAX	Scott Valley	08:30	08:00	Bucket	7AC	3	Ball 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		
Eclipse Complex		Day 0600-2000 Night 1800-0800		
3. Ambulance Services				
Name	Location	Phone & EMS Frequency	Advanced Life Support (ALS) Yes No	
Shasta Ambulance Unit 79	Cedar Fire – DP.10	Contact on Command	X	
Trinity 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	Helipad Yes No Address	
Fair Child Medical Ctr.	Lat: N41°43.173	20 min	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	X	2825 Barnett Rd, Medford, OR
	Long: W122°49.91			
	VHF:			
Mercy Medical Center Level II Trauma Center	Lat: N40°34.33	60 min	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	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				
Fireline EMTs & Location				
Adv. Life Support?				
Lat: / Long:				
Air Hoist site:				
Lat: / Long:				
Helispot:				
Lat: / Long:				
Alternate/No-fly plan:				
7. Remote Aid Stations				
Medical Unit– ICP Happy Camp				
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.				
Happy Camp Airport: Lat: 41°47.448W Long: 123°23.238N				
8. Prepared By (Medical Unit Leader)				
Josh Ramey MEDL 530-277-1213 cell or 530-493-1518 office	9. Date/Time 8/21/2017 2000	10. Reviewed By (Safety Officer) Michele Tanzi SOF1 <i>Michele Tanzi</i>	11. Date/Time 8/21/2017 2000	

Medical Incident Report

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

- 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.)
- 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) _____

- INITIAL PATIENT ASSESSMENT:** Complete this section for each pt. This is only a brief, initial assessment. Provide additional pt. info after completing this report.
 - **Number of Patients:** _____ - **Male / Female:** _____ - **Age:** _____ - **Weight:** _____
 - **Conscious?** YES NO = MEDEVAC! - **Breathing?** YES NO = MEDEVAC!
 - **Mechanism of Injury** What caused the injury? _____
 - **Location, Lat/Long** (Datum WGS84) Ex: N 40° 42.45' x W 123° 03.24' _____

4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY

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

5. TRANSPORT PLAN:

- Air Transport:** (Agency Aircraft Preferred)
- Helispot
 - Short-haul/Hoist
 - Life Flight
 - Other
- Ground Transport:**
- Self-Extract
 - Carry-Out
 - Ambulance
 - Other

6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:

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

7. COMMUNICATIONS:

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

8. EVACUATION LOCATION:

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

- 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 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. Pre-Plan the needs of your crews. Stage more water and Electrolyte drinks along your work area. Order more, take more water/Electrolyte drinks.....it's FREE
All	Bees, Wasps, Hornets, Snakes	Known areas? Flag off and Communicate to affected resources. Pre-Identify those resources with known allergies. Pre-plan your response (Epi-Pen's, Benadryl supply, Medical personnel etc). Safety Officers will have a supply of Bee-Bop/Wasp Spray
All	Difficult terrain and conditions for providing for emergency medical needs.	Review Med Plan before the need arises. Limit high risk activities. Have a backup plan AND don't depend solely on air resources. Practice the "What if" scenarios.
All	Communications	Review the 204, 205 and 220 for accuracy. Set up Human Repeaters as needed. If spiking, test with Eclipse Communications for viability.
All	Driving Concerns	Opening day of Bow Season. Headlights ON! Seatbelts ON! Narrow, steep, unforgiving native surfaced roads within the fire area. You NEED to slow down and Expect the Unexpected! You MUST drive with caution. Maintain good sight/reaction distance.
OAK & CEDAR	Increase in Fire Behavior	Expected after Inversion lifts. Preplan! Identify Trigger Points! How long will it take you to get back to your vehicles and exit the area safely? Know your escape routes as the situations change. Keep your eye out for spots from previous shift
All	Steep Terrain	Ensure secure footing. Keep appropriate work spacing. Focus! 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.
OAK	Mop-up	Mop-up to the extent necessary to maintain containment. 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	Old fire scars. Fire weakened trees, shallow root systems, widow makers. Be aware of bind when cutting jackstrawed timber. Watch out when traveling/working during windy conditions. Limit exposure. 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.
All	Personal Protective Equipment	Ensure proper Personal Hygiene. Seek medical attention as needed. ALL Personnel are reminded to wear PPE when in route to and from the fire and within the fires perimeter. Insure PPE is compatible with hazards and risks.
All	Hygiene	Wash Hands prior to eating and after using the toilet facilities. Clean out ice chests with soap, bleach & water.
All	Wildlife	Watch for elk, deer and bears crossing roadways. Numerous sightings. Especially active around Dusk & Dawn. Perform a daily Tick check

Date & Time Prepared: August 21st, 2017 @ 2100
 Prepared By: Michele Tanzi - SOF1, Robert Hilfer - SOF2(t)

Operational Period: August 22, 2017 from 0600 - 2000
 Operational Period: August 22/23, 2017 from 1800 - 0800

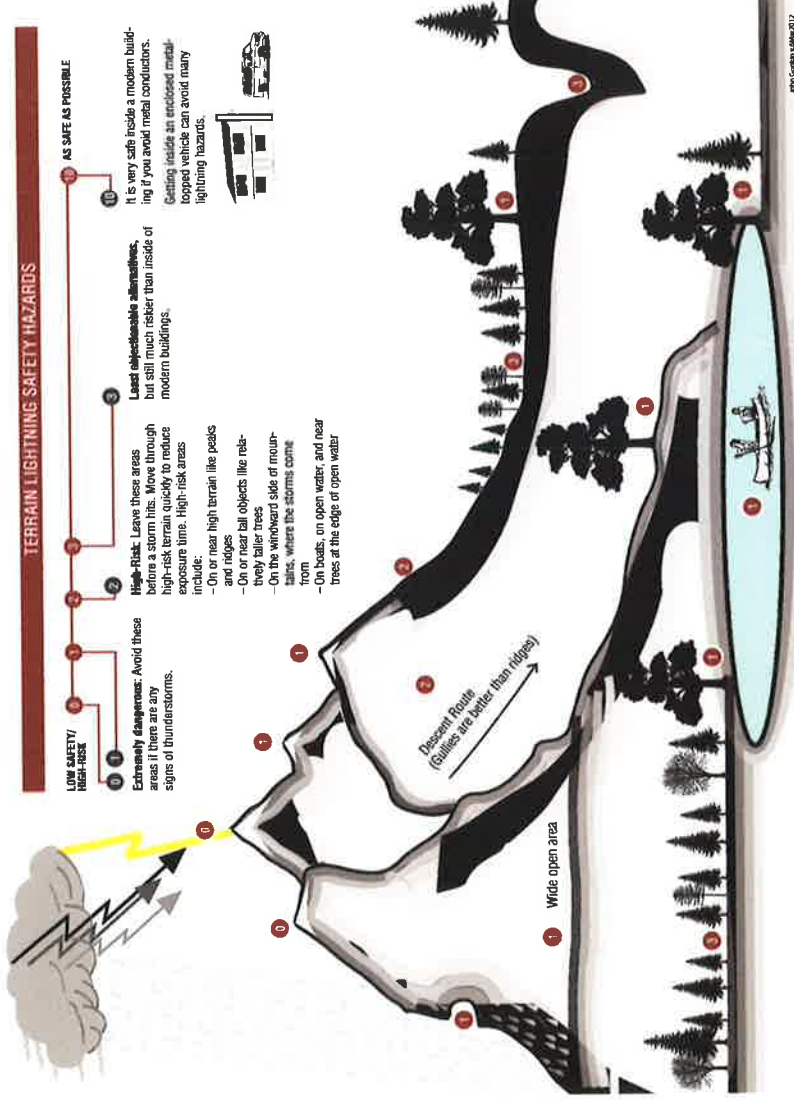
CA-KNF-006098 (0505), P5K9QB

Klamath National Forest

Northern California Incident Management Team 1
 24

BACKCOUNTRY LIGHTNING RISK MANAGEMENT

No place outdoors is safe from lightning. Lightning is an objective hazard. Your behavior can reduce the risk of that hazard harming you.



TERRAIN LIGHTNING SAFETY HAZARDS

LOW SAFETY/ HIGH RISK

Extremely dangerous: Avoid these areas if there are any signs of thunderstorms.

AS SAFE AS POSSIBLE

Least objectionable alternatives, but still much riskier than inside of modern buildings.

- High-Risk:** Leave these areas before storms hit. Move through high-risk areas quickly to reduce exposure time. High-risk areas include:
- On or near high terrain like peaks and ridges
 - On or near tall objects like rocky taller trees
 - On the windward side of mountains, where the storms come from
 - On boats, on open water, and near trees at the edge of open water

It is very safe inside a modern building if you avoid metal conductors. Getting inside an enclosed metal-topped vehicle can avoid many lightning hazards.



REDUCING LIGHTNING RISK IN THE BACKCOUNTRY

Backcountry settings are at least a 30-minute walk from the nearest vehicles or modern buildings, where you can easily find safe shelter. There are four actions that can reduce your lightning risk in the backcountry, but none of them can make you as safe as getting in a modern building or a metal-topped vehicle. These behaviors are listed in order, and each is roughly twice as important as the next.

1. TAKE YOUR WANTS TO HIGHER-RISK AREAS WITH LOCAL WEATHER PATTERNS.

Timing activities with safe weather requires knowledge of both typical and recent local weather patterns. There is no such thing as a *surprise* or *freak* storm. You must set turnaround times that will get you off of exposed terrain before storms arrive. You need to observe the changing weather and discuss its status with your group. If you have logistical delays, you may need to change your plan rather than summiting a peak or crossing open ground during a thunderstorm. Begin your turnaround if you hear thunder (which means lightning is less than 10 miles away).

2. FIND SAFER TERRAIN IF YOU HEAR THUNDER.

Safer terrain in the backcountry can decrease your chances of being struck. Lightning tends to hit high points and the surrounding terrain. Avoid peaks, ridges, and significantly higher ground during an electrical storm. If you have a choice, descend a mountain on the side that has no clouds over it since strikes tend to be less frequent on that side until the clouds move over it. Once you get down to low, rolling terrain, strikes are so random you shouldn't worry about terrain as much. Move to safer terrain as soon as you hear thunder, not when the storm is upon you.

Select tent sites that may reduce your chances of being struck or affected by ground current. If you are in a tent in "safer" terrain, and you hear thunder, you at least need to be in the lightning position. Lying flat increases the risk of injury by ground current.

If your tent is in a more dangerous location, such as on a ridge, in a broad open area, or near a tall tree, you must exit the tent and get to safer terrain before the storm arrives, and stay there until it has passed.

In **gently rolling hills**, lower flat areas are not safer than the higher flat areas because none of the gentle terrain attracts leaders. Strikes are random in this terrain. Look for a dry ravine or other significant depression to reduce risk.

The flash-bang ranging system measures how far away a thunderstorm is, but sometimes it is impossible to tell which flash is associated with which bang. The flash of light travels fast enough that it is virtually instantaneous (1 km/3 sec) so ideally you just count the number of seconds between the obvious flash and the obvious bang, and divide by five to determine how many miles away the storm is. Divide the time by three to see how many kilometers distant the storm is. Do not stake your life on the reliability of this ranging system.

3. AVOID TREES AND LONG CONDUCTORS ONCE LIGHTNING GETS CLOSE.

Wide open ground offers high exposure to lightning. Avoid trees and bushes that rise above others, since the highest objects tend to generate upward leaders. Your best bet is to look for an obvious ravine or depression before the storm hits, then spread out your group at 20 foot (7m) intervals to reduce the risk of multiple injuries. Assume the lightning position.

Cavers (Fig. 3) should avoid cave entrances during thunderstorms. Small overhangs can allow arcs to cross the gap. Natural caves that go far into the ground can be struck, either via the entrance or through the ground. People have been shocked standing in water half a mile inside caves. If you are caving near an entrance during electrical activity, don't stand in water, avoid metal conductors like leaders, cables, and railings, and avoid bridging the gap between ceiling and floor.

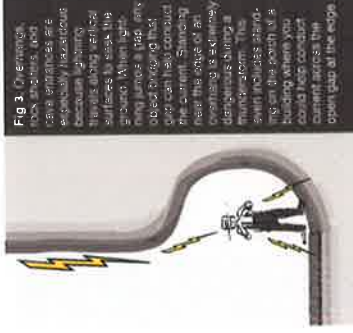


Fig. 3 On enough calm, windless days, you can see strikes, but especially hazardous because lightning travels along vertical surfaces to seek the ground. When lightning strikes a boat, the boat can act as a conductor. Staying near the edge of the boat and staying away from any metal objects can help. The lightning position should include standing on the earth as a boat can help conduct current across the open gap of the edge.

Boaters need to start getting off the water long before a storm arrives. Avoid tall trees near the edge of the water.

4. GET IN THE LIGHTNING POSITION IF LIGHTNING IS STRIKING NEARBY AND YOU CAN'T GET TO SAFER TERRAIN.

The lightning position (Fig. 4) is for waiting out storms in stationary situations when it is impractical to move to a safer location. It is important to reduce your overall footprint on the ground (Fig. 1).

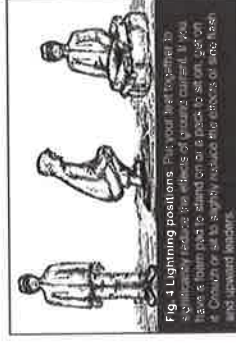


Fig. 4 Lightning positions should not be confused with the lightning position. The lightning position is a flat, open place to get in, but it is important to reduce the area of the body that is exposed to the lightning and upward leaders.



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):					
Order shipped to line by (Name): (Send this sheet to the line with the order)					
#	Item	Amount	#	Item	Amount
1,000 Foot Hose Lay includes the following: Amount _____					
	10, 100'x1½" Rolls Hose; 10, 100'x1" Rolls Hose; 10, 1½" Gated Wyes; 10, 1½" to 1" reducers; 10, 1" nozzles				
2,000 Foot Hose Lay includes the following: Amount _____					
	20, 100'x1½" Rolls Hose; 20, 100'x1" Rolls Hose; 20, 1½" Gated Wyes; 20, 1½" to 1" reducers; 20, 1" nozzles				
3,000 Foot Hose Lay includes the following: Amount _____					
	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:		



