

# Butler Fire

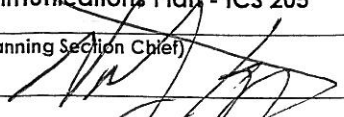
Incident Action Plan

8/18-19/2013 Night Shift




- **Spot Fires - Are most or all of resources “committed”?**  
**Are lookouts finding additional spotting?**
- **Critters – Big and Small ones are out there, maintain your Situational Awareness**
- **Footcare/Poison Oak-Practice good personal hygiene.**



<b>INCIDENT OBJECTIVES</b>	1. Incident Name <b>Butler</b>	2. Date <b>8/18/2013</b>	3. Time <b>10:51</b>									
4. Operational Period <p style="text-align:center;"><b>8/18/2013 - 8/19/2013 1800 - 0600</b></p>												
5. General Control Objectives for the Incident (include alternatives) <b>OPERATIONAL OBJECTIVES</b>												
<ul style="list-style-type: none"> <li>• Provide for firefighter and public safety through the application of the risk management process.</li> <li>• Utilize tactics which provide for the protection of private property and infrastructure.</li> <li>• Keep the Butler fire: <ul style="list-style-type: none"> <li>○ South and west of the Salmon River to Hotelling Ridge.</li> <li>○ East of Somes Mountain down to Orleans Mountain continuing to Salmon Summit.</li> <li>○ South of the line from Somes Mountain to Butler Flats.</li> <li>○ North of the Siskiyou / Trinity County line from Salmon Summit to Hotelling Ridge.</li> </ul> </li> </ul>												
6. Weather Forecast for Period <p style="text-align:center;"><b>See attached forecast</b></p>												
7. Resource Protection Guidelines <b>MANAGEMENT OBJECTIVES:</b>												
<ul style="list-style-type: none"> <li>• Ensure fire suppression operations minimize negative fire effects.</li> <li>• Utilize minimum impact suppression tactics (MIST) within the Wilderness areas and in other land use designations as appropriate.</li> <li>• Prevent transportation of noxious weeds into the incident location.</li> <li>• Utilize Resource Advisors to assess impacts to sensitive historic, cultural, wildlife, and plant resources.</li> <li>• Manage the fire in a cost effective manner commensurate with values at risk.</li> <li>• Keep cooperators, communities, and concerned citizens informed.</li> </ul>												
<b>8. Attachments (mark if attached)</b>												
<table style="width:100%; border:none;"> <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"/> Safety Message</td> </tr> <tr> <td><input checked="" type="checkbox"/> Communications Plan - ICS 205</td> <td><input type="checkbox"/> Traffic Plan</td> <td><input checked="" type="checkbox"/> LCES Worksheet</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"/> Safety Message	<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input type="checkbox"/> Traffic Plan	<input checked="" type="checkbox"/> LCES Worksheet
<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"/> Safety Message										
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input type="checkbox"/> Traffic Plan	<input checked="" type="checkbox"/> LCES Worksheet										
9. Prepared by (Planning Section Chief) <b>VAL LAMBETH</b>		10. Approved by (Incident Commander) 										

ORGANIZATION ASSIGNMENT LIST		Ground Support Unit	Harry Zabel/Jim Hong (t)	
1. Incident Name: Butler		Communications Unit	Phil Shafer/Ken Earl	
		Medical Unit	Josh Ramey/Clayton Thomas	
		Food Unit	Jay Westlake	
2. Date	Time	9. Operations Section		
8/18/2013	15:10	Day Ops Chief	John Truett/Jim Durrwachter/John Teutrine(t)	
4. Operational Period		Deputy Day Ops	Alec Lane/Curtis Coots (t)	
08/18-19/2013		Night Ops Chief	Robert Bertolina	
		Planning Ops	Robin Wills/Chris Stevens (t)	
5. Incident Commander and Command Staff		a. Branch I -- Division/Groups		
Incident Commander	Mike Quesinberry/Mike Minton	Branch	Steve Weaver/Dave Pereira	
Deputy IC	Pete Duncan	Division/Group	A / B	K. Khayasu
Liaison	Kent Swartzlander	Division/Group	C/D/E/F	Unstaffed
Safety Officer	Gene Madden / Michele Tanzi			
Information Officer	Judith Downing/Jim Mackensen/Kathy Harding			
6. Agency Representative		b. Branch II -- Division/Groups		
Agency Admin	Patty Grantham	Branch	Steve Burns	
Agency Admin Rep	Dave Hayes	Division/Group	G/H/K	Unstaffed
FS Cultural Rep	Frank Lake	Division/Group	W	Thomas Goheen
Lead Resource Advisor	Joe Blanchard			
County Sheriff	Kevin Miller			
Cal Fire	Hugh Scanlon			
Klamath Community Liaison	Jim Bennett			
Hoopa Tribal Chair	Danielle Vigil-Masten	Division/Group	Salmon Structure	Unstaffed
Karuk Tribal Rep	Bill Tripp	Staging Area Manager	Staging	Unstaffed
Hoopa Agency Rep	Kevin Lane	d. Air Operations Branch		
IARR	Duane Tewa / Orlando Carroll	Air Operations Branch Director	Dustin Mueller (t)	
CCC Rep	Susan Jones	Air Support Group Supervisor	Sean Cox/Steve Beale/Scott Plue	
7. Planning Section		Air Tactical Group Supervisor	Joel Lane / D. Williams (t)	
Chief	Darrel Schwilling / Valery Lambeth Walter Herzog (t)	Air Tactical Group Supervisor	Carl Piper / Rico Gonzalez (t)	
Deputy	Dave Sinclear/Bob Patton(t)(Salmon Camp)	HeliBase Manager	Brad Bernardy	
Resources Unit	Lou Ann Charbonnier/Chris Wikeen Rita Mustatia	10. Finance Section		
Situation Unit	Alan Taylor/Bobby Olds (t)	Chief	Judy Palmer/Rachel Corkill	
Documentation Unit	Jessica Hollingworth	Deputy Chief	Lois Charlton	
Demobilization Unit	Gary Deboi	Personnel Time Unit	Shannon Ammon	
Fire Behavior Unit	Jessica Wade/John Wood (t)	Equipment Time Unit	Vickie Wilson	
Long Term Fire Analyst	Cary Newman/Dana Bagnoli (t)	Cost Unit	Sissy Griffith	
Incident Meteorologist	Bob Tobin / Christian Cassell (t)	Compensation / Claim Unit		
Technical Specialist	George Steele	IBA	Karyl Georgiro	
Training Specialist	Julie Buel / Seneca Smith(t)			
GISS	Kyle Felker/ Matt House (t)			
Status Check-In	Monique Dumlao			
Human Resource Advisor	Daniel Gonzalez			
8. Logistics Section				
Chief	Sally Browning/Cindy Schiffer (t) Mike Jellison/Ken Kumpe(t)/ Michael Burchard (Salmon Camp)			
Deputy	Brett Shurr/Pat Howard (t)			
Supply Unit	Richard Sheets			
Facilities Unit	Jeff Hutala/Frank DelCarlo (Salmon Spike)	Prepared By: Chris Wikeen- RESL		

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>A/B</b>			
3. Incident Name <b>Butler</b>		4. Operational Period Date: 08/18-19/2013		<b>NIGHT OPERATIONS</b> Time: 1800 - 0600			
5. Operations Personnel							
Operations Chief		Robert Bertolina		Division/Group Supervisor		K. Khayasu	
Branch Director				Air Operations		Dustin Mueller	
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC2IA FIRESTORM #3 (C-17)	Chris Sprague	8/22	20	N	DP-2 / 1900	0600	
ENG3 AWE E17 (E-278)	Jeff Stanovich	8/27	3	N	DP-2 / 1900	0600	
ENG3 A1S E241 (E-276)	Jim Lavery	8/26	3	N	DP-2 / 1900	0600	
ENG5 PERKINS (E-354)	Kyle Woodron	8/29	3	N	DP-2 / 1900	0600	
ENG3 243 (E-256)	Jim Lavene (NO INFO)		3	N	DP-2 / 1900	0600	
WT1 V&P (E-43)	Rick Patrick	8/21	1	N	DP-2 / 1900	0600	
WT2 TT CONST. (E-41)	Matthew Post	8/22	1	N	DP-2 / 1900	0600	
WT2 LEPAGE (E-107)	Toby Adams	8/20	1	N	DP-2 / 1900	0600	
SOF2 (O-263)	Timothy Stanton	8/21	1	N	DP-2 / 1900	0600	
FEMP (O-282)	Lucas Lambert	8/24	1	N	DP-2 / 1900	0600	
FEMT (O-279)	Jobee Farrer	8/23	1	N	DP-2 / 1900	0600	
7. Control Operations							
<ul style="list-style-type: none"> <li>Assess structures and provide point protection</li> <li>Keep fire from crossing Salmon River road</li> <li>Be prepared to support firing operations in McNeal Creek</li> </ul>							
8. Special Instructions							
<ul style="list-style-type: none"> <li>Keep the Forks of the Salmon General Store personnel informed of any planned firing</li> </ul>							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 168.0750 TX 170.4250	NIFC C3	<b>11 Tone 3</b>	Emergency' Use Only	RX 168.1250 TX 170.4750	FS ADM	<b>1 Tone 5</b>
Tactical Division/Group	RX 166.5500 TX 166.5500	R5 TAC4	<b>4 Tone 3</b>	Air to Ground Command	RX 171.5375 TX 171.5375	A/G	<b>7</b>
Prepared by (Resource Unit Leader) Chris Wikeen		Approved by (Planning Section Chief) 			Date 8/18/2013		Time 15:01

<b>DIVISION ASSIGNMENT LIST</b>	1. Branch	2. Division/Group <b>C/D/E/F/G/H/K</b> <b>Salmon Structure</b>
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3. Incident Name <b>Butler</b>	4. Operational Period Date: <b>08/18-19/2013</b> Time: <b>1800 - 0600</b> <b>NIGHT OPERATIONS</b>
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5. Operations Personnel

Operations Chief	<b>Robert Bertolina</b>	Division/Group Supervisor	<b>Unstaffed</b>
Branch Director		Air Operations	<b>Dustin Mueller</b>

6. Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
Unstaffed						


7. Control Operations

8. Special Instructions

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 168.0750 TX 170.4250	NIFC C3	<b>11 Tone 3</b>	Emergency Use Only	RX 168.1250 TX 170.4750	FS ADM	<b>1 Tone 5</b>
<b>SEE COMMUNICATION PLAN</b>				Air to Ground Command	RX 171.5375 TX 171.5375	A/G	<b>7</b>

Prepared by (Resource Unit Leader) <b>Chris Wikeen</b>	Approved by (Planning Section Chief) 	Date <b>8/18/2013</b>	Time <b>13:35</b>
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DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group			
3. Incident Name <b>Butler</b>		4. Operational Period Date: 08/18-19/2013		<b>NIGHT OPERATIONS</b> Time: 1800 – 0600			
5. Operations Personnel							
Operations Chief		Robert Bertolina		Division Group Supervisor		Thomas Goheen	
Branch Director				Air Operations		Dustin Mueller	
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC2IA Firestorm #6 (C-18)	Jimmy Ramirez	8/26	20	N	DP-8 / 1900	0600	
ENG6 CCP E861 (E-287)	Christie Lapaz	8/26	3	N	DP-8 / 1900	0600	
ENG6 PAT E405 (E-286)	Ike Isakson	8/21	4	N	DP-8 / 1900	0600	
WT2 Let-er-Buck (E-97)	Mike Havasell	8/18	1	N	DP-8 / 1900	0600	
WT2 Ken's (E-95)	Don Andrews	8/18	1	N	DP-8 / 1900	0600	
WT2 Fireline Support (E-108)	Leon Valentin	8/18	1	N	DP-8 / 1900	0600	
PUMP ECAM (E-161)	Steve Martin Jr.	8/21	1	N	DP-8 / 1900	0600	
FEMP (O-232)	Kelland Wolf	8/20	1	N	DP-8 / 1900	0600	
FEMP (O-343)	Jeffery Cochran	8/25	1	N	DP-8 / 1900	0600	
7. Control Operations							
<ul style="list-style-type: none"> <li>Assess structures and provide point protection</li> <li>Keep fire from crossing Salmon River road</li> <li>Be prepared to support firing operations</li> </ul>							
8. Special Instructions							
<ul style="list-style-type: none"> <li>Fill tanks at Oak Bottom river access</li> </ul>							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 168.0750 TX 170.4250	NIFC C3	<b>11</b> <b>Tone 3</b>	Emergency Use Only	RX 168.1250 TX 170.4750	FS ADM	<b>1</b> <b>Tone 5</b>
Tactical Division/Group	RX 168.2000 TX 168.2000	NIFC TAC2	<b>10</b>	Air to Ground Command	RX 171.5375 TX 171.5375	A/G	<b>7</b>
Prepared by (Resource Unit Leader)		Approved by (Planning Section Chief)			Date		Time
Chris Wikeen					8/18/2013		13:48



# Butler Fire Incident Weather Forecast



FORECAST NO: 16 N  
PREDICTION FOR: Sunday Night Shift  
SHIFT DATE: August 18/19, 2013  
FORECAST ISSUED: 1000 August 18<sup>th</sup>, 2013

NAME OF FIRE: **Butler Fire**  
UNIT: SRF  
Incident Meteorologist: Bob Tobin  
Christian Cassell(T)

WEATHER DISCUSSION: Poor RH recoveries are expected especially toward the ridgetops tonight with light northeasterly winds. Monday looks to be continued hot, dry and unstable. Thunderstorms look to stay south and east of the area Monday but the potential increases toward Wednesday.

## WEATHER FORECAST TONIGHT (SUNDAY NIGHT SHIFT):

WEATHER: Clear skies. Humidity values decreasing through the night mid-slopes and ridges.  
MIN TEMPERATURES: 55 - 65F drainages to 65 - 75F ridges.  
MAX RH: 35 - 45% becoming 25 - 35% toward morning toward the ridges, 70 - 80% drainages  
WIND: East to Northeast 5 to 8 mph or Downslope/Downvalley 2 to 4 mph.

## WEATHER FORECAST MONDAY DAY SHIFT:

WEATHER: Areas of smoke. Sunny with increasing cumulus in the afternoon. Inversion breaking 1100 to 1400 PDT.  
MAX TEMP: 95 - 107F  
MIN HUMID: 13 - 23%  
WIND (EYE-LEVEL): Northeast wind 5 to 8 mph with gusts to 15 mph becoming Northwest or Upslope/Upvalley 4 to 7 mph with gusts to 12 mph.  
LAL: 1 CWR: 0%

## OUTLOOK FOR MONDAY NIGHT SHIFT:

WEATHER: Areas of smoke. Poor temperature/RH recoveries especially toward mid-slopes and ridges.  
MIN TEMPERATURES: 55 - 65F drainages to 65 - 75F ridges.  
MAX RH: 35 - 45% ridges diminishing to 20 - 30% toward morning. 70 - 80% drainages.  
WIND: Northeast 5 to 8 mph with gusts to 15 mph.

## OUTLOOK FOR TUESDAY:

WEATHER: Areas of smoke. Warm and dry. A slight chance of thunderstorms. Inversion breaking 1100 to 1400 PDT. Poor temperature/RH recoveries especially toward mid-slopes and ridges Tuesday night.  
WIND (EYE-LEVEL): South or Southeast wind 5 to 8 mph with gusts to 15 mph becoming Southwest or Upvalley/Updrainage 4 to 7 mph with gusts to 12 mph in the afternoon.  
MAX TEMPERATURES: 85 - 97. MIN RH: 15 - 25%  
MIN TEMPERATURES: 60 - 70. MAX RH: 25 - 40%  
LAL: 2 CWR: 5%

## EXTENDED OUTLOOK WEDNESDAY THROUGH FRIDAY:

WEATHER: Chance of thunderstorms Wednesday and Thursday mainly in the afternoons and evenings. Brief heavy downpours, gusty and erratic winds, and hail are possible.  
WIND (EYE-LEVEL): Southeast wind 3 to 5 mph becoming Southwest 4 to 7 mph with gusts to 12 mph in the afternoons.  
MIN TEMPERATURES: 57 - 67. MAX RH: 80 - 90%  
MAX TEMPERATURES: 78 - 95F...coolest toward the ridges. MIN RH: 20 - 30%...highest toward ridges.  
LAL: 3 Wednesday → 1 Friday. CWR: 20% Wednesday → 0% Friday

## FIRE BEHAVIOR FORECAST

**FORECAST NO.** 34

**UNIT:** CA-SRF

**PREDICTION FOR:** 8/18-19/13 Night

**NAME OF FIRE:** Butler Fire

**DATE & TIME ISSUED:** 8/18/13 0900

**SIGNED:** Jessica Wade-FBAN, John Wood-FBAN(t)

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### WEATHER AND FUELS SUMMARY:

- >> Min. temps: 55-65; Max. RH – Valley, 70-80%, Ridges 25-35%.
  - >> Eye Level Wind: Valleys/slope- East to Northeast 5 to 8 or downslope/down valley 2-4.
  - >> Forecasted ERC: 56, near the 90<sup>th</sup> percentile
  - >> 1000 hr fuels: average 8% measured on Div K on 8/7/13
- 

### GENERAL FIRE BEHAVIOR:

The dry and unstable airmass will support active burning this shift and is characterized as moderate rates of spread. The most active fire behavior is expected in the mixed conifer stands with torching and lofting embers that may become spots. Relative humidity recovery will be lower, which will facilitate active fire throughout the night. As columns develop, they will throw spots up to ¼ mile.

**Early in the shift before dark:** Rate of Spread- head fire up to 4-6 ch/hr, Flanking fire up to 2-3 ch/hr. Flame Lengths 3-4 ft. Probability of Ignition around 50%.

**Nighttime predicted fire behavior:** Rate of Spread- Head fire up to 3 ch/hr, Flanking fire about 1 ch/hr; Flame Lengths around 3 ft. Probability of Ignition around 30%.

### Specific Fire Behavior:

**DIV A/B** – No significant fire behavior is expected on this division. Hot rolling material is possible, coming from the slopes above the Salmon River Road which would continue to burn the unburned pockets of fuel. In McNeal Creek, any unchecked fire will continue to make progress toward the head of the drainage. This drainage of the fire will continue to be active, as it is on the inversion transition zone.

**DIV F & G** – In Div. F China Creek drainage, below DP 43, will continue to experience increased activity and spotting toward the control line early in the shift. In Div. G, Fire South of Granite creek will continue to flank toward the control line. These areas are likely to be influenced by the forecast East or Northeast winds.

**DIV H & K** - Fire is expected to progress up slope burning toward the control line on the ridge throughout the evening. In Div. H, Granite Creek drainage between DP 50 and DP 44, fire has potential to reach the control line by end of shift. Expect active fire behavior in the mixed conifer stands with torching and spotting potential. Div K, at the upper end of Butler Creek, where the fire is unchecked, expect flanking fire to continue to spread toward DP 4.

**DIV W** – Fire will continue to back into upper Butler Creek. Expect the fire in DIV W to continue to flank toward Drop Point 6 and Drop Point 8.

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**SAFETY:** On a hillside where rolling material can ignite fuel below. Think about how the steep slopes on the fire may affect your plan or your ability to react to changing conditions.



Incident Radio Communications Plan  
 1. Incident Name: **Butler**  
 2. Date / Time Prepared: 8/18/2013 11:43  
 3. Operational Period Date / Time: 08/18-19/2013 1800 to 0600

4. Basic Radio Channel Utilization  
 Mode: W = Wideband Analog, N = Narrowband, D = Digital, M = Mixed

Channel	Function	Frequency	Tone	Mode	Assignment	Remarks
1	F ADM TN 5	RX: 168.1250 TX: 170.4750	5	N	Emergency use only	Tone 5 (146.2)
2	NIFC C45	RX: 163.3375 TX: 172.2750	3	N	Road Control - Orleans Mountain	Tone 3 (131.8) Orleans Lookout
3	NIFC TAC 3	RX: 168.6000 TX: 168.6000		N	DIV E / F / G	
4	R5 TAC 4	RX: 166.5500 TX: 166.5500	3	N	DIV A / B	Tone 3 (131.8)
5	R5 TAC 5	RX: 167.1125 TX: 167.1125	3	N	Salmon Structure Group	Tone 3 (131.8)
6	R5 TAC 6	RX: 168.2375 TX: 168.2375	3	N	DIV H / D	Tone 3 (131.8)
7	Air to Ground CMD	RX: 171.5375 TX: 171.5375		N	All DIVS	Air to Ground Command
8	Air to Ground TAC	RX: 171.1375 TX: 171.1375		N	All DIVS	Air to Ground Tactical
9	NIFC TAC 1	RX: 168.0500 TX: 168.0500		N	DIV K / C	
10	NIFC TAC 2	RX: 168.2000 TX: 168.2000		N	DIV W / Staging	
11	NIFC C3	RX: 168.0750 TX: 170.4250	3	N	CMD	Tone 3 (131.8)
12	NIFC C10	RX: 170.4125 TX: 165.9625	3	N	CMD	Tone 3 (131.8)
13	NIFC C41	RX: 164.7750 TX: 170.4625	3	N	CMD (HOOPA/HELIBASE)	Tone 3 (131.8)
14	NIFC C40	RX: 163.0375 TX: 170.0250	3	N	CMD (ICP)	Tone 3 (131.8)
15	CALCORD	RX: 156.0750 TX: 156.0750	6	N	Medical	Tone 6 (156.7)
16	AIRGUARD	RX: 168.6250 TX: 168.6250	1	N	EMERGENCY	Tone 1 (110.9)

5. Prepared by: (Communications Unit)  
 Ken Earle / Phil Shafer

# BUTLER FIRE PHONE LIST

As of 8/18/2013

## Incident Commander & Staff

Position	Name	PHONE #	Cell PHONE # or other	FAX
NIMO Incident Commander	Quesinberry	877-230-9500	Cell 925-549-9420	
Incident Commander	Minton	No #	Cell 925-549-9417	
NIMO Safety	Madden	877-234-2477	Cell 925-549-9428	
Safety	Tanzi/Kirste	877-234-2477	Cell 925-549-9428	
Information	Downing/Mackensen	877-366-6008 877-365-6423 877-375-2226	Cell 925-549-9427	
Liaison Officer	Swartzlander	877-366-6008	Cell 925-549-9429	

## Operations

Ops Chief		877-354-2815		
Air Ops.	Mueller	877-353-6938		
Helibase	Bernardy	530-625-4617		

## Planning

NIMO Plans Chief	Schwilling	877-231-8599	Cell 925-549-9430	
Plans Chief	Lambeth	877-231-8599	Cell 925-549-9421	
Planning Ops	Wills	877-231-8599	Cell 925-549-9426	
Resource / Situation Unit	Charbonnier/Wikeen /Taylor /Olds	877-354-9003		
Documentation Unit	Holingworth	540-383-6531 Cell		
Check-In / Demob	Dumlao	877-367-1232		800-618-3707
Demob	Debois	877-367-9503		
IMET	Tobin/Cassell	877-368-2325		
Fire Behavior Analyst	Patton/Wood	877-368-2325		
Computer Techs	Steel	877-336-0460		
Training Specialist	Smith	877-342-8962	Medical 877-356-8984	FAX same as MedL phone- call 1st

## Logistics

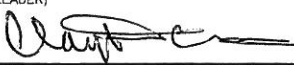
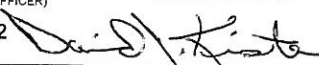
Logistics Chief	Jellison	877-262-1573	Cell 925-549-9423	
Logistics Chief	Shurr	877-262-1573	Cell 925-549-9424	
Supply / R & D	Sheets	877-321-2494		
Ordering	Lake	877-321-2494		800-617-4920
Facilities	Huhtala/DelCarlo	877-354-6006		No FAX
Ground Support / Repair	Zabel	925-549-9431	925-549-9431	addl cell 760-646-5747
Communications	Shafer/Earle	Disp 877-325-0366	COML 877-321-4510	INCM 877-325-6905
Medical Unit	Ramey	877-356-8984		
Security		Call Facilities @ 877-354-6006		
Food Unit	Westlake	877-354-6006		

## Finance

Finance Section Chief	Corkill/Palmer	877-253-6892		
Personnel Time	Ammon	877-236-7216		FAX 800-881-2790
Equipment Time/Cost	Wilson/Griffith	877-235-0564		
Comp & Claims	Charlton	877-234-2477		
GIS	Felker/House	No Phone yet		

## Other Important Numbers

Forest Dispatch				
Expanded YICC		530-841-4611	530-841-4612	
Fortuna Dispatch (fs)		days 707-726-1266	nights 707-726-1281	
Co. Sheriff 24 hrs			530-625-5014	
Co Roads			707-445-7491	
Yreka Dispatch (fs)			ROUTINE CALLS 530-841-4600	EMERGENCY ONLY 530-842-3515
CHP 24 hrs			707-266-2000	
Hoopla Police			530-625-4211	
Cal - Trans 24 hrs			707-445-6600	
Copy trailer		No Phone yet		
PGE				

<b>MEDICAL PLAN</b>	1. INCIDENT NAME Butler Fire	2. DATE PREPARED 8/18/2013	3. TIME PREPARED 1100 Hrs	4. OPERATIONAL PERIOD <b>1800-0600</b> 08/18/2013-08/19/13									
<b>5. INCIDENT MEDICAL AID STATIONS</b>													
MEDICAL AID STATIONS	LOCATION	PARAMEDICS											
		YES	NO										
Frontline Medical	Aiken Camp next to kitchen	X											
Fork of the Salmon Medical	Fork of the Salmon School	X											
FEMP Lambert and FEMT Farrer	Div A/B or as directed by Safety and Operations	X											
FEMP's Wolf & Cochran	Div W or as directed by Safety and Operations	X											
REM1	Staged at Salmon Camp available through Comm Unit	X											
REM2	Staged at Aiken Camp available through Comm Unit		X										
<b>6. TRANSPORTATION</b>													
<b>A. AIR RESOURCES</b>													
NAME	ADDRESS	PHONE	PARAMEDICS										
			YES	NO									
CHP H16- (Hoist) Daylight hrs only	Benton Airfield, Redding, Ca. 96003	YICC (530) 842-3515	X										
CalFire Copter 102- (Hoist) Daylight hrs only	Kneeland, CA	YICC (530) 842-3515		X									
REACH- (Non-Hoist) NVG Capable	3775 Flight Ave. Redding, Ca. 96003	YICC (530) 842-3515	RN/ Medic										
PHI Air Medical -(Non-Hoist) NVG Capable	1524 East St. Redding , Ca 96003	YICC (530) 842-3515	RN/ Medic										
CANG H820-(Hoist, day or night) NVG Capable	Redding Airport	YICC (530) 842-3515	X										
<b>B. INCIDENT AMBULANCES</b>													
NAME	LOCATION	PARAMEDICS											
		YES	NO										
Arcata Ambulance 4	Available on the East Side of the fire @ DP2	X											
City Ambulance 4	Available on the west side of the fire @ Go Staging	X											
<b>7. HOSPITALS</b>													
NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER						
		AIR	GRND		YES	NO	YES	NO					
St Joseph Hospital	2700 Dolbeer Eureka, Ca. N 40 47.02 / W 124 8.48	20 M	3 H	707-445-8121 #2	X			X					
Fairchild Medical Center	444 Bruce St. Yreka, CA N41 43.13 W122 38.69	20M	3 H	530-842-4121	X			X					
Mercy Medical Center Level 2 Trauma	2175 Rosaline Ave. Redding, Ca N 40 34.13 / W 122 23.67	50M	2.5 H	530-225-7208	X			X					
UC Davis Medical Ctr. Level 1 Trauma	2315 Stockton Blvd. Sacramento, Ca. N 38 33.17 / W 121 27.05	1.5H	6.5 H	916-734-3636	X		X						
<b>8. MEDICAL EMERGENCY PROCEDURES</b>													
<b>IN-CAMP CARE</b>					<b>LINE EMERGENCIES</b>								
<ul style="list-style-type: none"> <li>• Minor Injuries or illnesses <ul style="list-style-type: none"> <li>• Seek Aid directly at the ICP Medical Unit, report all injuries or illnesses to supervisor</li> <li>• Unit Open 0600 hrs to 2200 hrs</li> </ul> </li> <li>• Moderate to Severe Injuries or Illnesses <ul style="list-style-type: none"> <li>• Contact Communications or Med Unit directly</li> <li>• Med Unit staffed after hours for Emergencies</li> </ul> </li> <li>• Workers Comp Reporting &amp; Prescription Refills <ul style="list-style-type: none"> <li>• 0730 hrs to 2100 hrs</li> </ul> </li> <li>• MEDL Thomas available via Logistics radio for emergencies</li> </ul>					<ul style="list-style-type: none"> <li>• Start of shift: notify your Div Sup of EMT's and equipment you have available for response if needed.</li> <li>• Contact Communications and declare a medical emergency on command</li> <li>• Closest DIVS or designee responds to incident <ul style="list-style-type: none"> <li>• Closest SOFR/EMT's respond to assist w/care</li> <li>• Use attached Injury or Incident Comm. Protocol</li> <li>• If ambulance (ground or air) delayed designate rendezvous site and move towards it</li> <li>• Secure scene for investigation—keep a log</li> </ul> </li> </ul>								
					9 PREPARED BY (MEDICAL UNIT LEADER)					10 REVIEWED BY (SAFETY OFFICER)			
					ICS 206 8-78 C. Thomas MEDL 					D. Kirste SOF2 			

# Injury or Incident Communications Protocol

Time: \_\_\_\_\_ Date: \_\_\_\_\_ On Scene POC: \_\_\_\_\_

Declare: Medical Emergency \_\_\_\_\_ or Non-Emergency Medical \_\_\_\_\_

Number of injured: \_\_\_\_\_ Type of injury: \_\_\_\_\_

Patient Location: \_\_\_\_\_ Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elevation: \_\_\_\_\_

Best transport method: (see matrix below) Air Ambulance Ambulance Helicopter Vehicle

Any special equipment required: (SKED, Wheeled Stokes, Backboard, etc.) \_\_\_\_\_

Closest pick up point (DP, Helispot) \_\_\_\_\_

LOC \_\_\_\_\_ Resp. \_\_\_\_\_ Pulse \_\_\_\_\_ BP \_\_\_\_\_ Weight \_\_\_\_\_

Medical History/Allergies \_\_\_\_\_

On Scene Medic: \_\_\_\_\_

**Air Transportation Triage**      **Coordinate with Air Ambulance on:** \_\_\_\_\_

	Air Ambulance	Ground Transport
<b>Mechanism</b>	Struck by tree Fall of 10' or more Snake bite with pain and swelling Insect bite with shortness of breath Signs of heat stroke (hot, dry, disoriented) Burn Injury greater than 1% body area	Minor dehydration Cut or laceration with bleeding controlled Minor bites and Stings Minor burns
<b>Area Injured</b>	Significant Blunt or Penetrating Trauma to Head, Neck, Chest, Abdomen or pelvis Any Arm or Leg fracture	Minor blunt trauma Minor penetrating trauma Extremity sprains and strains
<b>Symptoms</b>	Disoriented Chest Pain or Shortness of Breath Weak or absent radial pulse Pale, cold and sweating	Alert and oriented No shortness of breath Good pulses

Medivac Sites (WGS 84 datum) use Degrees, Decimal Minutes (Lat 00° 00.000' – Long 00° 00.000')

DP-1 Nordheimer- N 41°17.865 / W 123°21.723

DP-34 Div. C- N 41°12.896 / W 123°16.759

DP-39 Div. E- N 41°10.847/ W 123°22.445

If air or ground ambulance is DELAYED:

**DO NOT DELAY** in Packaging and transporting the patient to rendezvous with the Ambulance.

! Re-route EMS helicopter to rendezvous point as appropriate.

When declaring an "Incident within the Incident"

The closest DIVS or designee will respond to manage the incident. They are responsible for giving an accurate size up, ensuring scene safety, setting priorities and initiating an appropriate response. The closest Safety Officer and Line EMS will respond to the scene to assist. The Safety Officer will secure the site and begin initial investigation when situation is stabilized.

**INCIDENT RISK ANALYSIS**  
**Butler**  
**(ICS 215A) Night Shift**

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	HAZARD TREES/SNAGS	<ul style="list-style-type: none"> <li>Identify and communicate hazard to personnel</li> <li>Mitigate using qualified personnel only</li> <li>Personnel not involved with felling ops need to be a minimum of 2 1/2 tree lengths away</li> </ul>
ALL	DRIVING HAZARDS	<ul style="list-style-type: none"> <li>Narrow dusty roads exist.</li> <li>Establish one-way traffic or coordinate traffic flow if necessary.</li> <li>Drive Defensively! Expect the unexpected around every curve.</li> <li>Drive with headlights on; use chock blocks, keep windshields clean; look before backing; and use backers whenever available.</li> <li>Salmon River Rd (FH 93) open to residents, use traffic control</li> <li>Use care when traveling on Highway 96.</li> </ul>
ALL	HYDRATION	<ul style="list-style-type: none"> <li>Drinking water before, during and after shifts, up to 1.5 gal. per shift.</li> <li>Be alert for signs of heat illness in yourself and others.</li> <li>Drink 2 to 1 water to sports drinks.</li> </ul>
ALL	ENVIRONMENTAL HAZARDS	<ul style="list-style-type: none"> <li>Be alert for snakes, watch footing and hand placement around rocks.</li> <li>Protect exposed skin from contact with poison oak, avoid smoke from burning poison oak if possible.</li> <li>Treat exposure of poison oak with Zanfel or Tecneu.</li> </ul>
ALL	EXTREMELY STEEP TERRAIN AND ROLLING MATERIAL	<ul style="list-style-type: none"> <li>Watch your footing; take your time.</li> <li>Ensure adequate spacing between crewmembers.</li> <li>Post lookouts to warn of rolling debris.</li> </ul>
DIV B	MINE SHAFTS	<ul style="list-style-type: none"> <li>Watch for shaft openings and vent holes.</li> <li>Keep heavy equipment clear of area.</li> <li>Hazardous Materials and explosives can often be found around mine sites.</li> </ul>
DIV D, G	HEAVY EQUIPMENT/DOZERS	<ul style="list-style-type: none"> <li>Utilize appropriate PPE and equipment safety mechanisms.</li> <li>Maintain safe working distances.</li> <li>Utilize observer or spotter.</li> <li>Ensure the use of communication with operator (radio, hand signals).</li> </ul>
DIV B, C, D, F, G, H, K, W	INDIRECT LINE	<ul style="list-style-type: none"> <li>Insure that communications between lookouts and line resources are maintained.</li> <li>Escape routes are identified and reevaluated continuously.</li> <li>Establish trigger points for disengagement.</li> </ul>
ALL	AIRCRAFT OPERATIONS	<ul style="list-style-type: none"> <li>Keep personnel out of drop zones when bucket work in progress.</li> <li>Use air-to-ground frequency to communicate and with aircraft.</li> <li>Use clear, concise statements when directing aircraft. Use clock directions from pilot's perspective and mirror flashes.</li> <li>Consider risk vs gain</li> </ul>
DIV W	FIRING OPERATIONS	<ul style="list-style-type: none"> <li>Conduct thorough briefing for all personnel (inside rear cover IRPG).</li> <li>Qualified personnel for all assignments. Trainees to have qualified trainers.</li> <li>Utilize Risk Mgmt. Process (IRPG p. 1) for implementing the plan.</li> <li>Establish LCES prior to implementing burning operations (IRPG p. 6).</li> <li>Assign an over-all Firing Boss to coordinate ignitions when simultaneous burning operations are planned for multiple locations.</li> </ul>
All	Thunderstorms / Lightning	<ul style="list-style-type: none"> <li>Monitor changing weather condition, Post Lookouts.</li> <li>Observe 30/30 rule.</li> <li>Pre-Plan "Shelter Up" area.</li> </ul>
DIV A, B, H, K, W	SPOT FIRES	<ul style="list-style-type: none"> <li>Utilize the Risk Mgt Process before initiating any suppression actions (IRPG page 1)</li> <li>Establish LCES</li> <li>Post Lookouts</li> </ul>
DIV A, B, W	STRUCTURE PROTECTION	<ul style="list-style-type: none"> <li>Conduct thorough briefing of all personnel (Inside rear cover IRPG).</li> <li>Utilize Structure Assessment Checklist (IRPG p.10)</li> <li>Follow Structure Protection Guidelines (IRPG p.14)</li> </ul>
INCIDENT NAME: <b>Butler</b>  ICS 215a		DATE PREPARED: <p style="text-align: center;"><b>August 18, 2013</b></p> TIME PREPARED: <b>1000 HOURS</b>
		OPERATIONAL PERIOD <b>Day Shift 08/18-19/2013</b> <b>1800 - 0600</b> Prepared by: G. Madden M. Tanzi, D. Kirste



Today's discussion is from the **LCES (Lookouts, Communication, Escape Routes, Safety Zones) Category.**

**Scenarios:**

Scenario 1

Six Minutes Home Page

## LOOKOUTS

Lookouts are often better situated to notice the cumulative changes of fire behavior.

- Fire Order #8 says, "Establish lookouts in potentially hazardous situations." Should you utilize lookouts at all times?
  - Lookouts should be posted at all times.
  
- What are you looking for when you are selecting a lookout location?
  - Choose a good vantage point, preferably with a good overview of the entire area where firefighters are located, including escape routes and safety zones.
  - Utilize aircraft if they are available, but only as a complement to established lookouts on the ground. Never rely exclusively on aircraft as your lookout.
  
- What are the desired qualities, capabilities, knowledge, and responsibilities of a lookout person?
  - Experienced firefighter.
  - Solid knowledge of fire behavior and ability to recognize and monitor other environmental hazards.
  - Good communicator--keeps the crew advised of fire behavior changes, tracks weather trends and relays the information, informs crew of work progress and updates from the latest strategy and tactical briefings.
  - Monitors and accounts for all individuals within his/her assigned area at all times, and will notify others if breaks are needed.
  
- What is the necessary equipment for a lookout?
  - PPE, radio with extra batteries, compass, binoculars, belt weather kit, IAP, map, food, and water.

## Incident Trainee/Trainer Data Form

Complete and drop off with the Training Specialist for entry into database before end of assignment.  
Remember to close out all training packages with the Training Specialist prior to going through DEMOB.

### A. Trainee Data

Trainee Name: \_\_\_\_\_ ICS Trainee Position: \_\_\_\_\_

Were you ordered as a Priority Trainee? Y N If yes, specify: IFPM FS-FPM REGIONAL

Request # (A, C, E or O): \_\_\_\_\_ Agency Designator (Example: CA-KNF): \_\_\_\_\_

Agency: \_\_\_\_\_ Crew/Module Name: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Fire Name: \_\_\_\_\_ Date Assigned: \_\_\_\_\_

### **Person and location your training package should be mailed to: (Chief, Training Officer, etc.):**

Name: \_\_\_\_\_ Title: \_\_\_\_\_ Home Unit: \_\_\_\_\_

Agency Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_

### B. Trainee Prerequisites

1. Valid Red Card or agency certification card? \_\_\_\_\_ Yes \_\_\_\_\_ No

2. Trainee has current position task book issued by home unit? \_\_\_\_\_ Yes \_\_\_\_\_ No

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### C. Trainer/Evaluator Data Trainer / Evaluator Name: \_\_\_\_\_

ICS position on fire: \_\_\_\_\_ Home Unit: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Cell / Contact While on Incident: \_\_\_\_\_

---

### D. Trainee Goals - (3 tasks or objectives you would like to address).

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

**MESSAGE FROM YOUR HUMAN RESOURCE  
SPECIALIST**

All employees, cooperators, contractors, and volunteers who participate in wildland fire operations have the duty to treat one another with respect and to maintain a work environment free of harassment based on race, color, national origin, sex, religion, age, sexual orientation.

Harassment in any form is not acceptable and will not be tolerated.

Additionally, every individual has the responsibility to report harassment or to take positive action to mitigate its effects.

**BE SAFE AND TAKE CARE OF EACH OTHER.**

Your Human Resource Specialist,  
Daniel Gonzalez





# M.I.S.T. GUIDELINES ( SRF – KNF – SHF )

## MINIMUM IMPACT SUPPRESSION TECHNIQUES

Wilderness areas are areas that are protected by law and are managed to preserve their natural conditions for present and future generations. The following Minimum Impact Suppression Techniques (MIST) are guidelines intended to significantly reduce the impacts associated with fire suppression and incident management activities in Wilderness areas.

**SAFETY** Safety is of paramount importance. Incident personnel should constantly be aware of their surroundings and the Eight Principles of Safety, the 10 Standard Firefighting Orders and the 18 Watchout Situations when applying MIST techniques.

### **LINE OPERATIONS**

- Use natural barriers, wet line or cold trail techniques, rather than constructing line. Consider burnout from natural barriers to minimize line construction.
- When constructed line is necessary, use the minimum width, depth and canopy clearance necessary to check fire spread, based on fire behavior. Locate line to minimize impacts. Consider use of fireline explosives for line construction.
- Do not put line construction debris in streams.

### **GREEN TREES, BURNED TREES AND SNAGS**

- Scrape around tree bases near fireline if hot and likely to cause fire spread.
- Inside fireline: remove or limb only those fuels that if ignited would have potential to spread fire outside the fireline.
- Identify hazardous trees with an observer or flagging.
- Use Saw Use guidelines.

### **SAW USE**

- Minimize the amount of cutting.
- Live trees will not be cut, unless it is determined they will cause fire spread across the fireline or endanger workers or the public.
- Slope/angle saw cuts away from line of sight to minimize visual impacts. Rub dirt or ash on stumps and log ends to camouflage them. Do not crosshatch/etch.
- If trees must be felled inside the line, do not limb or buck them. Allow the fire to consume them.

### **INDIRECT ATTACK**

- Do not fall snags on the intended unburned side of the constructed fireline, unless they are safety hazard to crews or the public.
- On the unintended burn-out side of the line, fall only those snags that would reach the fireline should they burn and fall over.
- Consider alternative means to falling, i.e., fireline explosives, bucket drops.
- Consider all items in Section B, the Fire Line Phase.

### **AIR OPERATIONS**

- Limit the use of retardant. Use water drops (preferred) or foam instead. When foam or retardant use is appropriate, avoid dropping near surface water.

### **HELISPOT CONSTRUCTION**

- Minimize the number of helispots constructed in Wilderness.
- Evaluate carefully whether it is necessary to construct a helispot or whether an alternative outside Wilderness can be used.
- If a helispot is only needed for logistical support to deliver and retrieve supplies or gear, consider using a long line remote hook in lieu of constructing a helispot. If a helispot is needed for crew shuttle, consider the minimum size helicopter that could do the job and still meet suppression objectives.
- Use natural openings as much as possible. If some tree falling or cribbing is necessary, avoid high visitor use locations unless the modifications can be rehabilitated to be generally unnoticeable. Feather the opening so that it appears more natural looking.
- Whenever possible, the Resource Advisor should provide specific instructions and observe the construction of helispots.
- Naturalize helispots before abandoning

### **SPIKE CAMPS AND CAMP ACTIVITIES**

- Camps and other facilities will be located outside of wilderness whenever possible.
- A Resource Advisor will be consulted prior to establishing spike camps and use will be discontinued if resource damage occurs.

### **MOP-UP PHASE**

- Cold trail rather than scraping or digging whenever possible to detect hot areas.
- Roll or drag fuels into the interior and allow them to burn out, rather than mopping them up and roll logs rather than bucking.
- Pull hot material away from the bases of trees, rather than felling them.
- Remove or limb only those fuels that if ignited, have potential to spread outside the fireline.

## **PERSONAL CONDUCT**

**Leave No Trace – Pack it in - Pack it out**

**Confirmed approval for use of mechanized equipment – Chainsaws / Helicopter Use**

## Nor Cal #1

### Expectations for Operational Periods and Shift Length

- The expectations of the I.C. and the team are that all operational resources will proceed directly to their shift assignments at the conclusion of the operational briefing / division break-out. Individuals attending the briefing should attend dressed fire-ready (nomex pants and boots).
- ICS 204 Division Assignment Lists will display anticipated shift duration. The assigned Division Supervisor has the authority to modify these time frames as the situation dictates.
- A minimum of 1 meal break should be taken each day when the fire situation permits. When meals are not recorded, rationale is needed on the CTR. Non fireline assigned resources should plan for a 30 minute break every 6 hours when the situation permits. Command and General Staff will manage workloads to allow for breaks when appropriate.
- Individuals shall only drive if they have had at least 8 consecutive hours off duty before beginning a shift. *Example: if it becomes essential to work until 2300 hours, the individual should not return to duty before 0700 the following day.* Exceptions to this policy should only be to accomplish immediate and critical suppression objectives or critical firefighter / public safety missions as approved by the I.C.
- The Incident Management Organization is committed to a “zero tolerance” policy against inappropriate behavior during incident operations. We expect an attitude of mutual respect for all incident personnel and the public we serve. Any form of harassment, discriminatory practices, or disrespectful behavior will not be tolerated and will be dealt with appropriately. Illegal drug use or other illegal activities will not be tolerated and will be turned over to local law enforcement authorities. Alcohol is strictly prohibited from the fire camp and all other incident locations. Violation of these standards of conduct can result in prompt dismissal from the incident. Individuals who are aware of any inappropriate behavior of incident personnel should tell their supervisor or contact the Human Resource Specialist.

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	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	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	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:		

