

Butler Fire

Incident Action Plan

8/19-20/2013 Night Shift




Fire Behavior/Fire Activity

- Thermal Belts 2500' and above and Lower RH's will lead to increased Fire Behavior/Activity tonight.
- Holdovers from spotting on Div B & H Day Shift possible
 - Look Up, Down and around frequently
 - Ensure LCES is in place before engagement
- Hydration – thirst is the first sign of de-hydration.
- Parking – on FH 93 use flashers, chock blocks.

CA-SRF-1388

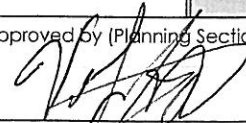
P5HS91

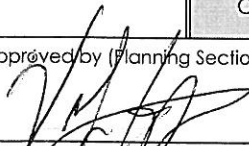


INCIDENT OBJECTIVES	1. Incident Name Butler	2. Date 8/19/2013	3. Time 10:00
4. Operational Period 8/19-20/2013 1800-0600			
5. General Control Objectives for the Incident (include alternatives) OPERATIONAL OBJECTIVES <ul style="list-style-type: none"> • Provide for firefighter and public safety through the application of the risk management process. • Utilize tactics which provide for the protection of private property and infrastructure. • Keep the Butler fire: <ul style="list-style-type: none"> ○ South and west of the Salmon River to Hotelling Ridge. ○ East of Somes Mountain down to Orleans Mountain continuing to Salmon Summit. ○ South of the line from Somes Mountain to Butler Flat. ○ North of the Siskiyou / Trinity County line from Salmon Summit to Hotelling Ridge. 			
6. Weather Forecast for Period See attached forecast			
7. Resource Protection Guidelines MANAGEMENT OBJECTIVES <ul style="list-style-type: none"> • Ensure fire suppression operations minimize negative fire effects. • Utilize minimum impact suppression tactics (MIST) within wilderness areas and in other land use designations as appropriate. • Prevent transportation of noxious weeds into the incident location. • Utilize Resource Advisors to assess impacts to sensitive historic, cultural, wildlife, and plant resources. • Manage the fire in a cost effective manner commensurate with values at risk. • Keep cooperators, communities, and concerned citizens informed. 			
8. Attachments (mark if attached)			
<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) VAL LAMBETH	10. Approved by (Incident Commander) 		

ORGANIZATION ASSIGNMENT LIST		Ground Support Unit	Harry Zabel/Jim Hong (t)	
1. Incident Name: Butler		Communications Unit	Ken Earl	
		Medical Unit	Josh Ramey/Clayton Thomas	
		Food Unit	Jay Westlake	
2. Date	Time	9. Operations Section		
8/19/2013	12:45	Day Ops Chief	John Truett/Jim Durrwachter/John Teurine(t)	
4. Operational Period		Deputy Day Ops	Alec Lane/Curtis Coots (t)	
08/18/2013	0600 - 1800	Night Ops Chief	Robert Bertolina	
Position	Name	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		Division/Group	A / B	Robert Lever/ Rusty Bigelow(t)
Liaison	Kent Swartzlander	Division/Group	C	Thaddeus Chavez A. Schultz (t)/Don Fergulia
Safety Officer	Gene Madden / Michele Tanzi	Division/Group	D	David Fauss
Information Officer	Judith Downing/Jim Mackensen/Kathy Harding	Division/Group	E	Steven Underwood
6. Agency Representative		b. Branch II – Division/Groups		
Agency	Name	Branch	Steve Burns	
Agency Admin	Patty Grantham	Division/Group	F	Adam Carr/John Martinez (t)
Agency Admin Rep	Dave Hayes	Division/Group	G	Allen Clay/Eric Hensel/Heather Munn (t)
FS Cultural Rep	Frank Lake	Division/Group	H	Scott Wheeler / S. Esser (t)
Lead Resource Advisor	Joe Blanchard	Division Group		
Human Resource Advisor	Daniel Gonzalez			
County Sheriff	Kevin Miller	Division/Group	K	S. Beacham / N. Matheson (t) Mark Vardanega / J.Reeser
Cal Fire	Hugh Scanlon	Division/Group	W	Randy Jennings/Levi Ray (t)
Klamath Community Liaison	Jim Bennett			
Hoopaa Tribal Chair	Danielle Vigil-Masten	Division/Group	Salmon Structure	James Mattingly
Karuk Tribal Rep	Bill Tripp	Staging Area Manager	Staging	James Snow / Rob Scott (t)
Hoopaa 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 Schwillig / Valery Lambeth Walter Herzog (t)	Air Tactical Group Supervisor	Carl Piper / Rico Gonzalez (t)	
Deputy		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	Seneca Smith(t)			
GISS	Kyle Felker/ Matt House (t)			
Status Check-In	Monique Dumlao			
8. Logistics Section				
Chief	Sally Browning/Cindy Schiffer (t) Mike Jellison/Ken Kumpe(t)/			
Deputy				
Supply Unit	Richard Sheets			
Facilities Unit	Jeff Hutala	Prepared By: Chris Wikeen - RESL		

ORGANIZATION ASSIGNMENT LIST		
1. Incident Name Butler / Forks Camp		
2. Date 8/19/2013	Time 12:43	
4. Operational Period 08/19-20/2013 1800 - 0600		
Position	Name	
5. Incident Commander and Command Staff		
Incident Commander		
Deputy IC Pete Duncan		
Liaison		
Safety Officer Jeff Barnhart/Bob Kafke		
Information Officer Jenny Lynn Bruner		
6. Agency Representative		
Agency	Name	
Agency Admin		
Agency Admin Rep		
FS Cultural Rep		
Lead Resource Advisor		
County Sheriff		
Cal Fire		
Klamath Community Liaison		
Hoopa Tribal Chair		
Karuk Tribal Rep		
Hoopa Agency Rep		
7. Planning Section		
Chief		
Deputy Dave Sinclear / Bob Patton (t)		
Resources Unit		
Situation Unit		
Documentation Unit		
Demobilization Unit		
Fire Behavior Unit		
Long Term Fire Analyst		
Incident Meteorologist		
Technical Specialist		
Training Specialist		
GISS		
Status Check-In		
Human Resource Advisor		
8. Logistics Section		
Chief Brett Shurr / Pat Howard (t)		
Deputy Michael Burchard		
Supply/Ordering Unit Teddy Messenger		
Facilities Unit Frank DelCarlo		
Ground Support EQPI Ryan Martin		
Receiving & Distribution Chris Combs		
Medical Unit Mike Hazlett		
Communications Unit Phil Shafer		
10. Finance Section		
Chief		
Deputy Chief Lois Charlton		
Personnel Time Unit		
Equipment Time Unit		
Cost Unit		
Compensation / Claim Unit		
IBA		
Prepared by: Chris Wikeen-RESL		

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group			
		I		A/B			
3. Incident Name		4. Operational Period		5. NIGHT OPERATIONS			
Butler		Date: 08/19-20/2013		Time: 1800 - 0600			
5. Operations Personnel							
Operations Chief		Robert Bertolina		Division/Group Supervisor		K. Ichiyasu	
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	
HC2IA FIRESTORM #6 (C-18)	Jimmy Ramirez	8/26	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	
WT1 V&P (E-43)	Rick Patrick	8/21	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"> Assess structures and provide point protection Keep fire from crossing Salmon River road Be prepared to support firing operations in McNeal Creek 							
8. Special Instructions							
<ul style="list-style-type: none"> Keep the Forks of the Salmon General Store personnel informed of any planned firing 							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 168.0750 TX 170.4250	CMD 1	1 Tone 3		RX TX		
Tactical Division/Group	RX 166.5500 TX 166.5500	TAC 5	10 Tone 3	Air to Ground Command	RX 171.5375 TX 171.5375	A/G PRI	13
Prepared by (Resource Unit Leader)		Approved by (Planning Section Chief)			Date		Time
Chris Wikeen					8/19/2013		09:47

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group W			
3. Incident Name Butler			4. Operational Period Date: 08/19-20/2013		NIGHT OPERATIONS 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
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)		Willian Harvey		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"> Assess structures and provide point protection Keep fire from crossing Salmon River road Be prepared to support firing operations 								
8. Special Instructions								
<ul style="list-style-type: none"> Fill tanks at Oak Bottom river access 								
9. Division/Group Communication Summary								
Function	Frequency	System	Channel	Function	Frequency	System	Channel	
Command	RX 168.0750 TX 170.4250	CMD 1	1 Tone 3		RX TX			
Tactical Division/Group	RX 168.2000 TX 168.2000	TAC3	8	Air to Ground Command	RX 171.5375 TX 171.5375	A/G PRI	13	
Prepared by (Resource Unit Leader)			Approved by (Planning Section Chief)			Date	Time	
Chris Wikeen						8/19/2013	10:29	



Butler Fire Incident Weather Forecast



FORECAST NO: 17 N
PREDICTION FOR: Monday Night Shift
SHIFT DATE: August 19/20, 2013
FORECAST ISSUED: 1000 August 19th, 2013

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

WEATHER DISCUSSION: Very poor temperature and RH recoveries are expected again tonight along with brisk east to northeast winds especially at ridges and mid-slopes above the inversion. Because of this drier air aloft, the inversion will likely be shallower than seen the previous night. Thunderstorms will threaten the area Tuesday and Wednesday, with the greatest threat late Wednesday afternoon and evening.

Fire Weather Watch in effect Tuesday afternoon through Wednesday evening for thunderstorms.

WEATHER FORECAST TONIGHT (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: 20 - 30% ridges. 50 - 60% drainages.
WIND (EYE-LEVEL): East or Northeast 5 to 8 mph with gusts 15 to 18 mph.

WEATHER FORECAST FOR TUESDAY:

WEATHER: Areas of smoke. Very warm and dry. A slight chance of thunderstorms in the afternoon and evening. Inversion breaking 1100 to 1300 PDT. Poor temperature/RH recoveries especially toward mid-slopes and ridges Tuesday night.
WIND (EYE-LEVEL): East to 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%

FORECAST FOR TUESDAY NIGHT SHIFT:

WEATHER: Areas of smoke. A slight chance of a dry thunderstorm. Poor temperature/RH recoveries especially toward mid-slopes and ridges.
MIN TEMPERATURES: 63 - 73F.
MAX RH: 35 - 45% ridges. 50 - 60% drainages.
WIND (EYE-LEVEL): Southeast or Downslope/Downvalley 2 to 5 mph.
LAL: 2 CWR: 5%

OUTLOOK FOR WEDNESDAY:

WEATHER: Areas of smoke. Mostly sunny early with increasing clouds in the afternoon. A chance of thunderstorms from late afternoon through the night. Inversion breaking 1100 to 1400 PDT.
WIND (EYE-LEVEL): Southeast becoming Southwest or Upslope/Upvalley 2 to 5 mph with gusts to 10 mph. ***Gusty and erratic winds possible near any thunderstorms.***
MAX TEMPERATURES: 82 - 96F... warmest at higher elevations.
MIN RH: 18 - 28%... highest at higher elevations.
MIN TEMPERATURES: 60 - 70F. MAX RH: 40 - 50%
LAL: 4 CWR: 25%

EXTENDED OUTLOOK THURSDAY THROUGH SATURDAY:

WEATHER: A chance of thunderstorms Thursday. Otherwise partly cloudy with areas of smoke.
WIND (EYE-LEVEL): Light terrain-driven winds. ***Gusty and erratic winds possible near any thunderstorms.***
MIN TEMPERATURES: 52 - 62F. MAX RH: 60 - 80%
MAX TEMPERATURES: 75 - 95F... coolest toward the ridges.
MIN RH: 20 - 30%... highest toward ridges.
LAL: 2 (Thursday) → 1 Friday and Saturday. CWR: 20% Thursday → 0% Friday and Saturday.

FIRE BEHAVIOR FORECAST

FORECAST NO. 36

UNIT: CA-SRF

PREDICTION FOR: 8/19-20/13 Night

NAME OF FIRE: Butler Fire

DATE & TIME ISSUED: 8/19/13 0900

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

WEATHER AND FUELS SUMMARY:

- >> Min. temps: 55-75; Max. RH – Valley, 70-80%, Ridges 20-30%.
 - >> Eye Level Wind: East to Northeast 5 to 8 gusts to 18
 - >> Forecasted ERC: 51, near the 90th percentile
 - >> 1000 hr fuels: average 8% measured on Div K on 8/7/13
-

GENERAL FIRE BEHAVIOR:

The dry and unstable air mass will continue to support active burning tonight, especially at the mid and high elevations. The most active fire behavior is expected in the mixed conifer stands in the dead down litter. Torching is likely, which will loft embers for spots which have a moderate POI.

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 is 50%, under clear (non-smoky) conditions.

Nighttime predicted fire behavior: Rate of Spread- Head fire: 1 to 3 ch/hr, Flanking fire: 1 ch/hr; Flame Lengths around 3 ft. Probability of Ignition up to 30%. ***Active fire throughout the night at elevations above 2,500 feet.***

Specific Fire Behavior:

DIV A– No significant fire behavior is expected on this division. Interior green islands will continue to burn out. Areas below 2,500 feet elevation will be very inactive tonight as they will have good humidity recoveries and be in the inversion throughout the evening.

DIV B - The McNeal Creek drainage will continue to be active, since it is above the inversion tonight. Unchecked fire will continue to actively spread in the upslope direction to the south and flank toward the head of the drainage. Surface fire and occasional torching will occur. New and undetected spot fires are likely to exist in this area.

DIV F & G – In Div. F China Creek drainage, below DP 43, will continue to experience increased activity and spotting tonight, however fairly far away from the control line for tonight's shift. In Div. G, Fire South of Granite creek will continue to flank in the SW direction. These areas are likely to be influenced by the forecast East/Northeast winds and low RH tonight. Growth is expected to be ¼ mile distance.

DIV H & K- Fire will continue to progress up slope burning toward the control line on the ridge. Growth is expected to be ¼ mile distance. Expect active fire behavior in the mixed conifer stands, but not in the brush fuels. This area has the largest potential to reach the line this evening. Areas with pine stringers below the ridge that torch could cause spotting on the west facing slope.

DIV W – It will be hard to carry fire in the sparse fuels and leaf litter. This area will need RH in the teens in order to facilitate a firing operation.

SAFETY: Thermal belts and areas above the inversion can have fairly significant fire behavior compared to above or below the location. Use situational awareness as you are working tonight of increased fire activity.

Only frequencies listed on this 205 are authorized for use on this incident.		Hand programmers accept all responsibility for the use of unauthorized frequencies.							
Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	COMMAND	CMD 1	ORLEANS LO	168.0750 N		170.4250 N	Tone 3 131.8	A	MAIN BODY OF FIRE
2	COMMAND	CMD 2	96 / 93 TRAVEL	170.4125 N		165.9625 N	Tone 3 131.8	A	NORTH END OF FIRE AND TRAVEL ON 96 AND 93
3	COMMAND	CMD 3	ICP	163.0375 N		170.0250 N	Tone 3 131.8	A	ICP COMMUNICATIONS
4	COMMAND	CMD 4	HELIBASE	164.7750 N		170.4625 N	Tone 3 131.8	A	COMMS TO HELIBASE
5	COMMAND	CMD 5	NOT ACTIVATED	162.1875 N		172.5500 N	Tone 3 131.8	A	SOUTH END OF FIRE
6	TACTICAL	TAC 1	UNASSIGNED	166.7250 N		166.7250 N	Tone 3 131.8	A	UNASSIGNED
7	TACTICAL	TAC 2	DIV K / C	168.0500 N		168.0500 N		A	
8	TACTICAL	TAC 3	DIV W / STAGING	168.2000 N		168.2000 N		A	
9	TACTICAL	TAC 4	DIV E / F / G	168.6000 N		168.6000 N		A	
10	TACTICAL	TAC 5	DIV A / B	166.5500 N		166.5500 N	Tone 3 131.8	A	
11	TACTICAL	TAC 6	FORKS STRUCTURE GROUP	167.1125 N		167.1125 N	Tone 3 131.8	A	
12	TACTICAL	TAC 7	DIV H / D	168.2375 N		168.2375 N	Tone 3 131.8	A	
13	AIR TO GROUND	A / G PRI	ALL DIVISIONS	171.5375 N		171.5375 N		A	AIR TO GROUND COMMAND
14	AIR TO GROUND	A / G SEC	ALL DIVISIONS	171.1375 N		171.1375 N		A	AIR TO GROUND TACTICAL
15	MEDIVAC	CALCORD	MEDICAL TACTICAL	156.0750 N		156.0750 N	Tone 6 156.7	A	MEDIVAC AIR COORDINATION
16	URGENT AIR CONTACT	AIRGUARD	ALL DIVISIONS	168.6250 N		168.6250 N	Tone 1 110.9	A	USE ONLY FOR URGENT AIRCRAFT CONTACT

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name			Date/Time Prepared			Operational Period Date/Time		
Butler IA Group			Butler IA Group			08/19/13 1930 HRS.			NIGHT SHIFT 08/19-20/13		
Only frequencies listed on this 205 are authorized for use on this incident.			Hand programmers accept all responsibility for the use of unauthorized frequencies.								
Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks		
Klamath National Forest IA Frequencies Salmon Net											
1	KNF DISPATCH	KNF RT5	ALL AS NEEDED	164.1750N		164.9750N	T5,146.2	A	ROUTINE TRAFFIC, T5 ORLEANS PK		
2	KNF DISPATCH	KNF RT6	ALL AS NEEDED	164.1750N		164.9750N	T6,156.7	A	ROUTINE TRAFFIC, T6 EDDIE GULCH		
3	KNF IA DISPATCH	KNF SAM	IA RESOURCES	171.50000N		172.4000N	T5,146.2	A	IA DISPATCH IN THE SALMON RD AREA, T5 ORLEANS PK		
4	KNF IA DISPATCH	KNF SAM	IA RESOURCES	171.50000N		172.4000N	T6,156.7	A	IA DISPATCH IN THE SALMON RD AREA, T6 EDDIE GULCH		
5	IA TACTICAL	NFC T2	IA TAC	168.20000N		168.2000N		A			
6	KNF A/G PRI	KNF AG-P	AS NEEDED	166.5625N		166.5625N		A			
7	KNF A/G SEC	KNF AG-S	AS NEEDED	169.1250N		169.1250N		A			
Six Rivers National Forest IA Frequencies											
8	SRF DISPATCH	SRF RT2	ALL AS NEEDED	168.7250N		170.1250N	T2,123.0	A			
9	SRF DISPATCH	SRF RT5	ALL AS NEEDED	168.7250N		170.1250N	T5,146.2	A			
10	SRF IA TACTICAL	NFC T-2	IA TAC	168.2000N		168.2000N		A			
11	SRF A/G PRI	SRF AG-P	AS NEEDED	167.6000N		167.6000N		A			
12	SRF A/G SEC	SRF AG-S	AS NEEDED	166.8750N		166.8750N		A			
13	HOOPA FIRE RPT	HPA RPT	AS NEEDED	155.3850N		150.8050N	T3,131.8	A			
14	COMMAND	CMD 1	ORLEANS LO	168.0750 N		170.4250 N	T3 131.8	A	MAIN BODY OF FIRE		
15	MEDICAL	CALCORD	MEDICAL TACTICAL	156.0750 N		156.0750 N	T6 156.7	A			
16	URGENT AIR CONTACT	AIRGUARD	ALL DIVISIONS	168.6250 N		168.6250 N	T1 110.9	A	USE ONLY FOR URGENT AIRCRAFT CONTACT		
Prepared by				Incident Location							
Ken Earle, Phil Shafer COML NORCAL 1				MODE: A - ANOLOG, D - DIGITAL							
				ORLEANS, CA							

BUTLER FIRE PHONE LIST

As of 8/19/2013

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	Wade/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
Human Resources	Daniel Gonzalez	877-328-4522		

Logistics

Logistics Chief	Jellison	877-262-1573	Cell 925-549-9423	
Logistics Chief	Shurr	877-262-1573		
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 cell760-646-5747
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	
Hoopa Police			530-625-4211	
Cal - Trans 24 hrs			707-445-6600	
Copy trailer		No Phone yet		
PGE				

Forks Camp

Supply / R & D		530-462-1517		
Medical		530-462-1518		
Operations		530-462-1516		

MEDICAL PLAN	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD							
	Butler Fire	8/19/2013	1100 Hrs	1800-0600 08/19/2013-08/20/13							
5. INCIDENT MEDICAL AID STATIONS											
MEDICAL AID STATIONS		LOCATION		PARAMEDICS							
				YES	NO						
Frontline Medical		ICP next to kitchen		X							
Fork Medical Unit		Fork Camp		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 Fork Camp available through Comm Unit		X							
REM2		Staged at ICP available through Comm Unit			X						
6. TRANSPORTATION											
A. AIR RESOURCES											
NAME		ADDRESS		PHONE							
CHP H16- (Hoist) Daylight hrs only		Benton Airfield, Redding, Ca. 96003		YICC (530) 842-3515							
CalFire Copter 102- (Hoist) Daylight hrs only		Kneeland, CA		YICC (530) 842-3515							
REACH- (Non-Hoist) NVG Capable		3775 Flight Ave. Redding, Ca. 96003		YICC (530) 842-3515							
PHI Air Medical -(Non-Hoist) NVG Capable		1524 East St. Redding , Ca 96003		YICC (530) 842-3515							
CANG H820-(Hoist, day or night) NVG Capable		Redding Airport		YICC (530) 842-3515							
B. INCIDENT AMBULANCES											
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							
7. HOSPITALS											
NAME		ADDRESS		TRAVEL TIME		PHONE		HELIPAD		BURN CENTER	
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	
8. MEDICAL EMERGENCY PROCEDURES											
IN-CAMP CARE											
<ul style="list-style-type: none"> Minor Injuries or illnesses <ul style="list-style-type: none"> Seek Aid directly at the ICP Medical Unit, report all injuries or illnesses to supervisor Unit Open 0600 hrs to 2200 hrs Moderate to Severe Injuries or Illnesses <ul style="list-style-type: none"> Contact Communications or Med Unit directly Med Unit staffed after hours for Emergencies Workers Comp Reporting & Prescription Refills <ul style="list-style-type: none"> 0730 hrs to 2100 hrs 											
LINE EMERGENCIES											
<ul style="list-style-type: none"> Start of shift: notify your Div Sup of EMT's and equipment you have available for response if needed. Contact Communications and declare a medical emergency on command Closest DIVS or designee responds to incident <ul style="list-style-type: none"> Closest SOFR/EMT's respond to assist w/care Use attached Injury or Incident Comm. Protocol If ambulance (ground or air) delayed designate rendezvous site and move towards it Secure scene for investigation—keep a log 											
ICS 206 8-78		9. PREPARED BY (MEDICAL UNIT LEADER) C. Thomas MEDL <i>[Signature]</i>		10. REVIEWED BY (SAFETY OFFICER) M. Tanzi SOF1 <i>[Signature]</i>							

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
Mechanism	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
Area Injured	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
Symptoms	Disoriented Chest Pain <u>or</u> 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"> Identify and communicate hazard to personnel Mitigate using qualified personnel only Personnel not involved with felling ops need to be a minimum of 2 1/2 tree lengths away
ALL	DRIVING HAZARDS	<ul style="list-style-type: none"> Narrow dusty roads exist. Establish one-way traffic or coordinate traffic flow if necessary. Drive Defensively! Expect the unexpected around every curve. Drive with headlights on; use chock blocks, keep windshields clean; look before backing; and use backers whenever available. Salmon River Rd (FH 93) open to residents, use traffic control
ALL	HYDRATION	<ul style="list-style-type: none"> Drinking water before, during and after shifts, up to 1.5 gal. per shift. Be alert for signs of heat illness in yourself and others. Drink 2 to 1 water to sports drinks.
ALL	ENVIRONMENTAL HAZARDS	<ul style="list-style-type: none"> Be alert for wildlife, insects, and plants. Watch footing and hand placement around rocks. Protect exposed skin from contact with poison oak, avoid smoke from burning poison oak if possible, shower, wash nomex, exchange.
ALL	EXTREMELY STEEP TERRAIN AND ROLLING MATERIAL	<ul style="list-style-type: none"> Watch your footing; take your time. Ensure adequate spacing between crewmembers. Post lookouts to warn of rolling debris.
DIV B	MINE SHAFTS	<ul style="list-style-type: none"> Shaft openings and vent holes. Identify, Flag area, Make known to personnel Keep heavy equipment clear of area. Hazardous Materials and explosives can often be found around mine sites.
DIV D, G	HEAVY EQUIPMENT/DOZERS	<ul style="list-style-type: none"> Utilize appropriate PPE and equipment safety mechanisms. Maintain safe working distances, ensure operator knows where you are. Utilize observer or spotter. Ensure the use of communication with operator (radio, hand signals).
DIV B, C, D, F, G, H, K, W	INDIRECT LINE	<ul style="list-style-type: none"> Insure that communications between lookouts and line resources are maintained. Escape routes are identified and reevaluated continuously. Establish trigger points for disengagement.
ALL	AIRCRAFT OPERATIONS	<ul style="list-style-type: none"> Keep personnel out of drop zones when bucket work in progress. Use air-to-ground frequency to communicate and with aircraft. Use clear, concise statements when directing aircraft. Use clock directions from pilot's perspective, utilize mirror flashes and panels. Consider the pilots safety and yours. Risk vs Gain
DIV W	FIRING OPERATIONS	<ul style="list-style-type: none"> Conduct thorough briefing for all personnel (inside rear cover IRPG). Qualified personnel for all assignments. Trainees to have qualified trainers. Utilize Risk Mgmt. Process (IRPG p. 1) for implementing the plan. Establish LCES prior to implementing burning operations (IRPG p. 6). Assign an over-all Firing Boss to coordinate ignitions when simultaneous burning operations are planned for multiple locations.
All	Thunderstorms / Lightning	<ul style="list-style-type: none"> Monitor changing weather condition, Post Lookouts. Observe 30/30 rule. Pre-Plan "Shelter Up" area. Move down before roads become wet and slick.
DIV A, B, H, K, W	SPOT FIRES	<ul style="list-style-type: none"> Utilize the Risk Mgt Process before initiating any suppression actions (IRPG page 1) Establish LCES Consider Risk vs Gain
DIV A, B, W	STRUCTURE PROTECTION	<ul style="list-style-type: none"> Conduct thorough briefing of all personnel (Inside rear cover IRPG). Utilize Structure Assessment Checklist (IRPG p.10) Follow Structure Protection Guidelines (IRPG p.14) Develop Evacuation Plan
INCIDENT NAME: Butler ICS 215a		DATE PREPARED: <p style="text-align: center;">August 19, 2013</p> TIME PREPARED: 1200 HOURS
		OPERATIONAL PERIOD Night Shift 08/19-20/13 1800 - 0600 Prepared by: G. Madden M. Tanzi, D. Kirste



Today's discussion is from the
First Aid / Health Category.

Six Minutes Home Page

HYDRATION

Studies conducted on wildland firefighters indicate that fire suppression activities generate about 7.5 kilocalories of heat each minute worked, or 450 kilocalories for each hour. Additional heat (about 180 kilocalories per hour) comes from the environment and the fire. The total heat load amounts to 580 kilocalories per hour ($400 + 180 = 580$). Complete evaporation of 1 liter of sweat removes 580 kilocalories of heat. In order to maintain a healthy body temperature, the firefighter needs to evaporate about 1 liter (slightly more than 1 quart) of sweat during each hour of work.

- Maintaining body fluids is essential for sweating. You must hydrate before, during, and after work.
- Before work you should take extra fluids to prepare for the heat. Drink 1 or 2 cups of water, juice, or a sport drink before work. Avoid excess caffeine; it hastens fluid loss in the urine.
- While working drink at least 1 quart of fluid per hour. Drink as much as you can during the lunch break. Water is your greatest need during work in the heat.
- Providing a portion of fluid replacement with a carbohydrate/electrolyte sport beverage will help you retain fluids and maintain energy and electrolyte levels.
- After work it is important to continue drinking to replace fluid losses. Thirst always underestimates fluid needs, so you should drink more than you think you need.
- Rehydration is enhanced when fluids contain sodium and potassium, or when foods with these electrolytes are consumed along with the fluid.
- Unacclimatized workers lose more salt in the heat so they need to pay particular attention to salt replacement. Don't overdo salt intake; too much salt impairs temperature regulation. Excessive salt can cause stomach distress, fatigue, and other problems.
- Make potassium-rich foods like bananas and citrus fruits a regular part of your diet, and drink lots of lemonade, orange juice, or tomato juice.
- Limit the amount of caffeine drinks such as coffee and colas because caffeine increases fluid loss. Avoid alcoholic drinks. They also cause dehydration.
- You can assess your hydration by observing the volume, color, and concentration of your urine. Low volumes of dark, concentrated urine, or painful urination indicate a serious need for rehydration. Other signs of dehydration include a rapid heart rate, weakness, excessive fatigue, and dizziness.
- Rapid loss of several pounds of body weight is a certain sign of dehydration. Rehydrate before returning to work; continuing to work in a dehydrated state can lead to serious consequences, including heat stroke, muscle breakdown, and kidney failure.

References:

Standards for Fire and Aviation Operations, BLM, www.fire.blm.gov/Standards/redbook.htm
Fitness and Work Capacity--Second Edition

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

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

Teamwork:

“Winning isn't everything, but wanting to win is”.

Cooperation:

“Success is the sum of small efforts, repeated day in and day out”.

Respect:

“You must look into people as well as at them”

Team work, cooperation and respect are KEY issues on this or any other incident.

This incident needs your efforts in maintaining a positive work environment. If I can be of any assistance please don't hesitate to come by and visit with me.

**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:		

