

Nickowitz

3 Day Incident Action Plan


August 29th – 31st, 2015

Saturday – Monday, 0700 - 2000



We are ALL accountable for SAFETY

**CA-SRF-1470, P5J0S5, (0510)
Six Rivers National Forest**

INCIDENT OBJECTIVES	1. Incident Name Nickowitz	2. Date 08/28/2015	3. Time 2000
4. Operational Period August 29 - 31, 2015 Day Shift			
<p>OPERATIONAL OBJECTIVES</p> <p>1) Keep the Nickowitz Fire:</p> <ul style="list-style-type: none"> • South of the 14N02 road. • North and West of the 13N01 road. • Within the Siskiyou Wilderness boundary to the west. <p>2) Implement fire suppression repair in accordance with developed plans.</p> <p>MANAGEMENT OBJECTIVES</p> <p>1) Utilize a combination of direct and indirect tactics to provide for responder safety while minimizing responder exposure.</p> <p>2) Engage tribal partners (Karuk and Yurok), agency partners and cooperators in management decisions to ensure timely communication and coordination.</p> <p>3) Effectively manage cost by implementing strategies and tactics that have a high probability of success.</p> <p>4) Emphasize operational safety through the Risk Management Process while protecting cultural and resource values and minimizing suppression impacts on the landscape.</p> <p>5) Keep public informed with current and accurate fire information including all closures to assist in mitigating public safety concerns.</p> <p>GENERAL SITUATIONAL AWARENESS</p> <p>1) Keep fire South of 14N02 preventing it from establishing in the 2008 Blue/Siskiyou Incident to avoid long duration, costly fire operations.</p> <p>2) Keep fire North & West of the 13N01 road to protect a tree plantations and cultural values.</p> <p>3) Keep fire from spreading west outside of wilderness area & getting established onto state DPA, tribal lands and private timber company lands.</p>			
6. Weather Forecast for Period			
<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. 			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203 <input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204 <input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> Medical Plan - ICS 206 <input checked="" type="checkbox"/> Incident Map <input checked="" type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> Weather <input checked="" type="checkbox"/> ICS215a <input type="checkbox"/> Rehab Considerations	
9. Prepared by (Planning Section Chief) Veronica Rasmussen	10. Approved by (Incident Commander) Chris Woods 		

ORGANIZATION ASSIGNMENT LIST		Medical Unit	
1. Incident Name Nickowitz		Receiving & Distribution	
2. Date August 28, 2015		Security Manager	Tou Thor
3. Time 2000		Food Unit	
4. Operational Period Day August 29 - 31, 2015		Equipment Manager	
Position		Name	
5. Incident Commander and Staff			
Incident Commander	Chris Woods		
Incident Commander (t)			
Safety Officer	Rick Clarke, Brian McLean (t)		
Information Officer			
Liaison Officer			
Human Resources			
6. Agency Representative			
Agency Administrator	Merv George		
Agency Admin Rep	Nolan Colegrove		
Karuk Tribal Rep	Bill Tripp		
Yurok Tribal Rep	Javier Kinney		
Heritage Consultant Coordinator	David Medford		
Yurok Cultural Advisor	Richard Myers		
Lead READ	Roberto Beltran		
Heritage Resource Advisor	Alyson Kral		
Cal Fire	Tom Nix		
7. Planning Section			
Chief	Veronica Rasmussen		
Deputy			
Resources / Demob / Documentation / Status-Check-in Unit			
Situation Unit	Steve Shumacher (t)		
Training			
CTSP			
GISS			
FBAN			
IMET			
8. Logistics Section			
Chief	Peter Pappas, Chris Trunkey (t)		
Deputy			
Supply Unit	Brian Alicea		
Ordering			
Facilities Unit	Peter Pappas		
Ground Support Unit			
Communications Unit			
		9. Operations Section	
Day Operations		Jason Jones	
Night Operations			
Planning Ops			
a. Division/Groups – Day			
Division/Group	A/Z	Paul Johnson, Ray Dombroski (t)	
Division/Group	B/C/M	Brandon Woodward	
Division/Group	REPAIR	Johnny Martinez	
Division/Group	READS	Roberto Beltran	
Division/Group			
Division/Group			
b. Division/Groups - Night			
Division/Group			
Division/Group			
Division/Group			
Division/Group			
Division/Group			
Division/Group			
Division/Group			
Division/Group			
Division/Group			
c. Air Operations Branch			
Air Operations Branch Director			
Air Attack Supervisor			
Air Support Supervisor			
Helicopter Coordinator			
Air Tanker Coordinator			
10. Finance Section			
Chief		Wendy McCartney (t)	
Time Unit		Kathleen Mason (t), Heather Argo (t)	
Cost Unit			
Compensation/Claims Unit			
Equipment Time			
Prepared by (Resource Unit Leader) Tanya Costello (t)			
Approved by (Planning Section Chief) Walter Herzog			

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group AIZ		
3. Incident Name NICKOWITZ FIRE		4. Operational Period Date: August 29 - 31, 2015 Time: 0700- 2000				
5. Operations Personnel						
Operations Chief		Division/Group Supervisor		PAUL JOHNSON, RAY DOMBROSKI (t)		
Planning Ops.		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
HC 2IA KARUK #1 C-10	TAYLOR SUPER	9/10	19	N	PER DIV	PER DIV
ENG3 MDF 45 E-173	MIKE TATEISHI	9/9	5	N	PER DIV	PER DIV
ENG3 MDF 55 E-174	JASON BUNKER	9/9	5	N	PER DIV	PER DIV
ENG6 BRUSH 72 E-78	BOB OLME	9/12	3	N	8/30 0700	PER DIV
WTS1 ORLEANS THORN E-91	DELBERT KING	8/30	1	N	PER DIV	PER DIV
WT2 WHITE LOGGING E-92	RYAN GOMES	8/29	1	N	PER DIV	PER DIV
SOFR O-249 (Shared w/ all DIV)	RICK CLARKE	9/4	1	N	PER DIV	PER DIV
SOFR (t) O-262 (Shared w/ all DIV)	BRIAN McCARTNEY	9/4	1	N	PER DIV	PER DIV
REMS TEAM O-17	FRANK AGUIRRE	9/11	2	N	PER DIV	PER DIV
7. Control Operations Mop up where safe to do so. Burn out and hold control line as necessary.						
8. Special Instructions: Medic 31 Incident Ambulance staged at DP6. Assist repair group in stage 1 suppression repair. Back haul trash and excess supplies. Water source: Utilize Hines Creek draft site. Bean Camp draft site for Roads Group use only. When drafting from Bean Camp, complete water use log. Avoid areas with red/white flagging.						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C10	170.4125N		165.9625N	127.3
Command	2	NIFC C12	173.0375N		167.3250N	127.3
Command	3	NIFC C68	173.5500N		165.7250N	127.3
Command	4	NIFC C76	173.7500N		164.8375N	127.3
Tactical	5	NIFC T7	168.2500N	127.3	168.2500N	127.3
AIR TO GROUND	14	AIR-GND	164.8625N		164.8625N	
Prepared by (Resource Unit Leader) Tanya Costello (t)		Approved by (Planning Section Chief) Veronica Rasmussen			Date August 28, 2015	

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group B/C/M	
3. Incident Name NICKOWITZ FIRE			4. Operational Period Date: August 29 - 31, 2015 Time: 0700 - 2000			
5. Operations Personnel						
Operations Chief		Division/Group Supervisor		BRANDON WOODWARD		
Planning Ops.		Air Attack Supervisor				
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				
HC 2IA HEART LAKE C-27		BRANDYN HARVEY		9/2	18	N
HC MOD Mt HEBRON 71 C-13		ERIC BLANKENSHIP		8/31	10	N
ENG3 LNF 82 E-172		SHAWN BUTTERBACH		9/9	5	N
ENG3 LNF 14 E-171		CHRIS DOYLE		9/9	5	N
ENG3 3230 E-170		JEREMY McMAHON		9/9	5	N
ENG6 ARVADA FPD 58 E-75		JARED ACKER		9/11	3	N
ENG6 LONGMONT 2123 E-81		JUAN SALOMON		9/3	3	N
WT1 LENAHAN E-108		TIM HUEGEL		9/8	1	N
WT1 R. BROWN E-113		STEVE DYE		8/31	1	N
TFLD (t) O-95		ORLANDO GENAO		8/30	1	N
SOFR O-249 (Shared w/ all DIV)		RICK CLARKE		9/4	1	N
SOFR (t) O-262 (Shared w/ all DIV)		BRIAN McCARTNEY		9/4	1	N
7. Control Operations Mop up where safe to do so. Hold and patrol control line.						
8. Special Instructions: Medic 31 Incident Ambulance staged at DP6. Back haul trash and excess supplies. READs / Heritage Consultants will monitor dozer operations. Avoid areas with red/white flagging. Water sources - Use Bluff Creek and North Bridge Dip Sites. Utilize MIST whenever possible.						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C10	170.4125N		165.9625N	127.3
Command	2	NIFC C12	173.0375N		167.3250N	127.3
Command	3	NIFC C68	173.5500N		165.7250N	127.3
Command	4	NIFC C76	173.7500N		164.8375	127.3
Tactical	6	R5 TAC5	167.1125	127.3	167.1125	127.3
AIR TO GROUND	14	AIR-GND	164.8625N		164.8625N	
Prepared by (Resource Unit Leader) Tanya Costello (t)			Approved by (Planning Section Chief) Veronica Rasmussen		Date August 28, 2015	

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group REPAIR GROUP		
3. Incident Name NICKOWITZ FIRE			4. Operational Period Date: August 29 - 31, 2015 Time: 0700-2000				
5. Operations Personnel							
Operations Chief		Group Supervisor		JOHNNY MARTINEZ			
Planning Ops.		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
ENG6 BRUSH 42 E-74		KRISTY OLME	8/31	3	N	Per DIVS	Per DIVS
ENG6 BRUSH 2 E-82		LEROY SEVERSON	9/10	3	N	Per DIVS	Per DIVS
ENG6 RENNER E-83		MIKE ERICKSON	9/10	3	N	Per DIVS	Per DIVS
WT1 TT CONSTRUCTION E-6		CHRIS WILSON	8/30	1	N	Per DIVS	Per DIVS
WT1 TT WATER TENDER E-112		KEVIN RICKEY	8/30	1	N	Per DIVS	Per DIVS
GRD KEN'S GRADER, INC E-53		ALLEN MULKEY	9/5	1	N	Per DIVS	Per DIVS
CHIP FIRE STORM #2 E-169		DANE ECCLES	9/7	2	N	Per DIVS	Per DIVS
CHIP KARUK E-179			9/10		N	Per DIVS	Per DIVS
EXCAVATOR HOLT LOGGING E-144		DAVID ZALESNY	9/7	1	N	Per DIVS	Per DIVS
EXCAVATOR BEN'S TRUCK E-176 + TRANS		ERIC SPRATT	9/8	2	N	Per DIVS	Per DIVS
HEQB O-82		ROBERT JONES	9/6	1	N	Per DIVS	Per DIVS
TFLD (t) O-209		ERIK BORLAUG	9/2	1	N	Per DIVS	Per DIVS
7. Control Operations Continue stage 1 suppression repair in DIV A/B/C/Z.							
8. Special Instructions: Medic 31 Incident Ambulance staged at DP6. Use appropriate tactical channel for each division.							
9. Division Group Communication Summary							
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone	
Command	1	NIFC C10	170.4125N		165.9625N	127.3	
Command	2	NIFC C12	173.0375N		167.3250N	127.3	
Command	3	NIFC C68	173.5500N		165.7250N	127.3	
Command	4	NIFC C76	173.7500N		164.8375	127.3	
Tactical							
AIR TO GROUND	14	AIR-GND	164.8625N		164.8625N		
Prepared by (Resource Unit Leader) Tanya Costello (t)			Approved by (Planning Section Chief) Walter Herzog			Date August 28, 2015	

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group READS		
3. Incident Name NICKOWITZ FIRE		4. Operational Period Date: August 29 - 31, 2015 Time: 0700- 2000				
5. Operations Personnel						
Operations Chief		Lead READ			ROBERTO BELTRAN (O-7)	
Planning Ops.		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
TRIBAL REP O-902	RICHARD MYERS	9/4	1	N	0700	2000
TRIBAL REP O-2	BILL TRIPP	8/31	1	N	0700	2000
READ O-43 (DIV M, C)	PAUL CLAEYSSSENS	8/30	1	N	0700	2000
ARCH O-47 (DIV M, C)	ALYSON KRAL	9/3	1	N	0700	2000
READ O-147 (DIV C)	PHIL PIERARD	9/3	1	N	0700	2000
READ O-245	GREGG BOUSFIELD	9/6	1	N	0700	2000
HERITAGE CONSULTANT O-246	RICHARD BAILEY	9/5	1	N	0700	2000
HERITAGE CONSULTANT O-28	PHILLIP COURTS	9/5	1	N	0700	2000
7. Control Operations						
Special Instructions: Use appropriate Tactical Channel for each Division. Contact Division Supervisor when entering Division. Medic 31 Incident Ambulance staged at DP6.						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C10	170.4125N		165.9625N	127.3
Command	2	NIFC C12	173.0375N		167.3250N	127.3
Command	3	NIFC C68	173.5500N		165.7250N	127.3
Command	4	NIFC C76	173.7500		164.8375N	127.3
Tactical						
AIR TO GROUND	14	AIR-GND	164.8625N		164.8625N	
Prepared by (Resource Unit Leader) Tanya Costello (t)			Approved by (Planning Section Chief) Walter Herzog		Date August 28, 2015	

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 22-24	TYPE OF FIRE: Wildland Fire
FIRE NAME: Nickowitz	OPERATIONAL PERIOD: 8/29-31, 0700 to 2000
DATE ISSUED: 8/28/15	TIME ISSUED: 2000
UNIT: Six Rivers National Forest	SIGNED: /s/ John Wood FBAN

INPUTS

WEATHER SUMMARY: Periods of light rain will continue this morning before the precipitation becomes more showery in nature later this afternoon as a strong upper level disturbance moves through the Pacific Northwest. A general 1/4 to 1/2 of rain is possible through this afternoon although the latest computer models have the system moving through faster which would lessen overall amounts. Several but considerably weaker upper level disturbances move through the prevailing flow through Sunday, and while a few showers cannot be ruled out, any additional rain amounts would be very minor. A broad, upper level trough of low pressure will remain over the west coast through the remainder of the week, While additional rain is not expected, below normal temperatures are expected for all of northwest California along with elevated humidity levels.

Expect maximum temperatures below 2500 ft 66-72 degrees above 2500 ft 72-76. Minimum humidity, Ridges 41-46% Valleys 36-41%. Ridges Southeast 10-15 mph gusts as high as 30, especially early in the day. Valleys Upslope, up valley southwest 7-13 with gusts to 18.

OUTPUTS

GENERAL: If precipitation amounts reach at least a tenth of an inch (light) it will greatly reduce the spread potential of the fire. With forecast of cool, high relative humidity and some showers. Slow spread conditions would last until Monday at least. Light precipitation in combination with the cooler temperatures and higher humidity will slow the fire activity greatly, although sheltered areas will likely not receive a wetting rain from totals around a tenth of an inch. Forecast wind speeds are the concern with potential gusts up to 30 mph, these conditions could cause intense episodes of fire activity where the wind is able to reach active fire. Winds this strong working with active fire could cause spread at rates that would reach 10 ch/hr with wind and slope alignment. It would be uneven spread or development of a finger of fire that would be a concern, mostly when conditions begin to dry out. A finger or uneven spread could potentially put fire in alignment with slope in a number of locations heightening spread potential. With predicted rain amounts, a half an inch, the fire will not show appreciable spread through the middle of next week but burning would continue in heavies and in very sheltered locations. Spread rate potential would be about one third of the predicted numbers below on Tuesday and Wednesday and would be to climb from there with drying.

Backing/Flanking rate of spread 1-2 ch/hr, flame lengths 1-3 feet. Head fire timber understory rate of spread 5-10ch/hr flame lengths 5-8 feet, timber litter rate of spread 3-6 ch/hr, flame lengths 2-3 feet. **ERC 51 BI 42**

SPECIFIC: Fine fuel moisture 9% 1000 hr 10% Probability of ignition 35-55% Spot distance about a 1/2 mile.

Division A, B, Contingency North and Contingency South: No significant fire behavior expected.

Division C: Spotting is the main concern from heavy fuel that continues to burn down. Southwest winds are conducive and probability of ignition does not make spotting likely but the chance exists.

Division M: Forecast wind direction will influence fire spread laterally along the line going down Barren Ridge. This may be energetic flanking at forecast wind speeds. Where winds reach active fire it will push it along the exposed ridge until the fire drops below the topography. Sheltering should keep the winds from reaching too far in to Soapstone Gulch.

Division Z: Upslope winds are likely and will propagate active flanking as the winds bring air flow to active fire. Expect backing and flanking as the main fire spread characteristic until the fire reaches Nickowitz Creek. Forecast wind speeds are not likely to reach this low in the drainage but gusts are possible causing brief periods of activity.

AIR OPERATIONS

Expect clouds in the morning and southwest winds are likely to have much of the smoke cleared early. It is likely that the inversion will be a minor factor tomorrow as the highest winds are forecast for early morning.

Safety Message

Today is a transition day work diligently with your crewmembers, your supervisor and adjoining forces and ensure that instructions are clear and understood. Coordinate the plan so each person know their responsibility and what is expected of them before engaging in operations.

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name NICKOWITZ CA-SRF-001470		Date/Time Prepared 08-28-15 1200		Operational Period Date/Time 0700 8/29 - 2000 8/31			
Only frequencies listed on this 205 are authorized for use on this incident.									
Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	COMMAND 1	NIFC C10	ALL DIVISIONS	170.4125N		165.9625N	127.3	A	ORLEANS MTN
2	COMMAND 2	NIFC C12	ALL DIVISIONS	173.0375N		167.3250N	127.3	A	NICKOWITZ PEAK
3	COMMAND 3	NIFC C68	ALL DIVISIONS	173.5500N		165.7250N	127.3	A	BARREN BUTTE
4	COMMAND 4	NIFC C76	ALL DIVISIONS	173.7500N		164.8375N	127.3	A	RED MOUNTAIN
5	TACTICAL	NIFC T7	DIVISION A/Z	168.2500N	127.3	168.2500N	127.3	A	
6	TACTICAL	R5 TAC5	DIVISION B/C/M	167.1125N	127.3	167.1125N	127.3	A	NOTE: TX TONES ON ALL CHANNELS
7	TACTICAL	NIFC T2	IA TACTICAL	168.2000N		168.2000N		A	ARE HARD CODED
8	CDF COMMAND	CDF CMD1	CALFIRE COMMAND	151.3550N	103.5	159.3000N	136.5	A	KEYPAD SELECTION NOT REQUIRED
9	CDF TACTICAL	CDF T 26	NORTH TASK FORCE TAC	159.2925N	192.8	159.2925N	192.8	A	
10	CDF TACTICAL	CDF T 27	SOUTH TASK FORCE TAC	159.3075N	192.8	159.3075N	192.8	A	
11	IA COMMAND	SRFFOR5	IA COMMAND	168.7250N		170.1250N	146.2	A	ORLEANS MOUNTAIN
12	IA COMMAND	SRFFOR7	IA COMMAND	168.7250N		170.1250N	167.9	A	UKONOM MOUNTAIN
13	AIR-TO-GND IA	AIG 43	FOREST IA ONLY	167.6000N		167.6000N		A	
14	AIR TO GROUND	AIR-GND	ALL DIVISIONS	164.8625N		164.8625N		A	
15	CALCORD	CALCORD	ALL DIVISIONS	156.0750N	156.7	156.0750N	156.7	A	
16	URGENT AIR CONTACT	AIR GRD	ALL DIVISIONS	168.6250N		168.6250N	110.9	A	USE ONLY FOR URGENT AIRCRAFT IF HAND PROGRAMMING USE TONE 1
Prepared by				Incident Location					
Rick Cartoscelli, COML/ Harold Reed COML-T Nor Cal IMT 1				SIX RIVERS NATIONAL FOREST					

AIR OPERATIONS SUMMARY

Prepared By: Glenn Dietz

Prepared Date: 8/28/2015

Prepared Time: 2000

1. INCIDENT NAME: NICKOWITZ (CA-SRF-1470)	2. OPS PERIOD DATE: August 29-31, 2015	START TIME: 0700	END TIME: 2000	SUNRISE: 8/29: 0637 8/30: 0638 8/31: 0639	SUNSET: 8/29: 1954 8/30: 1952 8/31: 1951
3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): Helicopters are being shared from the Gasquet Complex. Please use A/G Command for briefings, utilize A/G Tactical for tactical helicopter communications. Be aware of terrain influenced winds & wires crossing the Klamath River watershed.					
Flight Follow with Fortuna on SRF Admin Repeater Net					
4. READY ALERT AIRCRAFT MEDEVAC: H-8MC ***CALCORD TONE 6***			5. TFR #: 5/8861 (A-74) Center: N 41° 26.000' W 123° 45.000' Radius: 5 nm Ceiling: 9000' MSL		
INITIAL ATTACK: H-8MC					

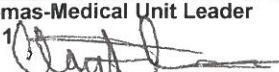
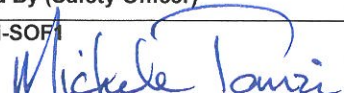
6. PERSONNEL		NAME	PHONE #	7. FREQUENCIES		AM	FM	8. FIXED-WING- Type/ Make-Model/ N#/ Base	
AOBD				AIR/AIR RW	126.075	(A-31)		AIRTANKERS-	Order through FICC as needed.
ASGS				AIR/ AIR RW- FF	(A-30)	164.7500		LEAD PLANES-	Order through FICC as needed.
ATGS				AIR TO GROUND	(A-29)	164.8625		ATGS AIRCRAFT-	Order through FICC as needed.
HLCO				COMMAND		SEE COMM PLAN			
HEB2				DECK				OTHER FW AIRCRAFT-	
				TOLC					
H-818MC		George Violante	307-330-5904	MEDIVAC ON CALCORD		156.0750			

9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA #	T Y	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	FAA N#	T Y	MAKE/ MODEL	BASE	AVAIL	START	REMARKS
H-8MC (A-79)	3	A-Star	Hoopla HLB			Pax, Bucket, Recon							

10. TASK/ MISSION/ ASSIGNMENT (Type/ function includes: Air Tactical, Retardant, Recon, Personnel Transport, Bucket Operations, SAR, etc.)			
TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (If applicable) or instructions for tactical aircraft	MISSION START	FLY FROM FLY TO
Recon	Order as needed.		
Water Dropping	Order as needed.		

MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name				2. Operational Period							
NICKOWITZ FIRE				Date/Time 8/29/15 – 8/31/15 0700-2000							
3. Ambulance Services											
Name		Location		Phone & EMS Frequency		Advanced Life Support (ALS) Yes No					
Medic 31 – Incident Ambulance		Staged at DP-6		Contact on Command or 530-925-5232		X					
Hoopa Ambulance		1200 Airport Rd. Hoopa, CA		911 or 707-726-1266		X					
4. Air Ambulance Services (COORDINATE with AIR AMBULANCES on CALCORD tone 6)											
Name		Phone		Type of Aircraft & Capability							
Reach / PHI 50 min eta		911 or 707-726-1266 (FICC)		Air Ambulance – Redding, CA Day/Night							
Calfire 15 min eta		911 or 707-726-1266 (FICC)		Hoist Rescue– Kneeland, CA							
Coast Guard Up to 1:15 hr eta		911 or 707-726-1266 (FICC)		Hoist Rescue – Eureka, CA							
CANG 825 50 min eta		911 or 707-726-1266 (FICC)		ALS Hoist Rescue – Redding, CA Day/Night							
5. Hospitals											
Name & Level		GPS Datum – WGS 84 Degrees Decimal Minutes		Travel Time Air Gnd		Phone		Helipad Yes No		Address	
St. Joseph Hospital		Lat:	N40°47.02		30 min	2 hrs	707-445-8121	X		2700 Dolbeer, Eureka, CA	
		Long:	W124°08.48								
		VHF:									
Mad River Hospital		Lat:	N40°53.45		25 min	2 hrs	707-826-8264 ext.1	X		3800 Janes Rd. Arcata, CA	
		Long:	W124°05.25								
		VHF:									
Shasta Regional Medical Center		Lat:	N40°35.08		55 min	3 hrs	530-244-5353	X		1100 Butte, Redding, CA	
		Long:	W122°23.25								
		VHF:									
UC Davis Level I Trauma/Burn Center		Lat:	N38°33.17		1.5 hrs	6 hrs	916-734-3636 916-734-3790	X		2315 Stockton Blvd. Sacramento, CA	
		Long:	W121°27.05								
		VHF:									
6. Division / Crew Pre-plan. Update and discuss with assigned resources daily											
Crew EMTs & Equipment											
Fireline EMTs & Location Adv. Life Support?											
Air Hoist site: Lat: / Long:											
Helispot: Lat: / Long:		H-1 N41°29.342 x W123°39.013		H-3 N41°28.077 x W123°47.346		H-88 N41°25.108 x W123°46.377					
		H-2 N41°23.544 x W123°45.396		H-87 N41°25.638 x W123°46.712							
Alternate no-fly plan:											
7. Remote Aid Stations											
DP-6 N41°28.145 W123°41.098		Point of Contact:				Todd Wemmer- Mountain Medics 530-925-5232					
		EMS Responders & Capability:				Medic 31- ALS					
		Equipment Available on Site:									
		Ambulance ETA :				Air – 55 min.		Ground – 35 min.			
8. Prepared By (Medical Unit Leader)				9. Date/Time		10. Reviewed By (Safety Officer)				11. Date/Time	
Clayton Thomas-Medical Unit Leader Nor Cal IMT 1 				8/28/15 1200		Michele Tanzi-SOFI Nor Cal IMT 1 				8/28/15 1200	

MEDICAL PLAN (ICS 206 WF)

Medical Incident Report

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

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

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

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

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

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

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

4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY

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

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

REMEMBER: -Confirm ETA's of resources ordered -Act according to your level of training
 - If air or ground ambulance is DELAYED: Package and transport patient to rendezvous with incoming Ambulance.
 Re-route EMS helicopter to rendezvous point as appropriate.

**Nickowitz INCIDENT RISK ANALYSIS (215a)
Day Shift, August 29th – 31st, 2015**

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL & ICP	Driving Hazards	<ul style="list-style-type: none"> • Reduce speed in Developed Areas. Be watchful of local traffic & pedestrians. • SEAT BELTS ON...LIGHTS ON...BEFORE wheels turn!.....even in ICP • Reduce driving speeds to allow for reaction time lag. • Expect the unexpected around every curve. • Don't drive when fatigued. Adhere to agency driving regulations and guidelines. • Use extra caution when traveling on wet surfaced roads. Delay accessing work area if in doubt of road condition until scouted and deemed safe for travel.
M	Indirect Attack	<ul style="list-style-type: none"> • Unburned fuel between you and the fire. Post experienced lookouts! • Know how long it takes to Escape to a Safe area. This is critical in this terrain type. • Pre-identify potential hoist sites for medical evacuation • You're only as fast as your slowest person • Review page 77 in IRPG on Strategy – Indirect Attack
ALL	Medical Emergencies	<p>~ Review, understand and discuss with your resources the Medical Plan in the IAP.</p> <p>~ Develop Division/Crew Pre-Plan in block #6 on the Medical Plan and fill in necessary information to assist you with an Incident within an Incident.</p> <p>~ Base all operational decisions and activities on these 3 questions:</p> <ol style="list-style-type: none"> 1.) What are we going to do if someone gets hurt? 2.) How will we get them out of here? 3.) How long will it take to get them to a hospital? <p>~ If the answers are insufficient, stop, re-assess and consider alternate strategies and tactics.</p> <p>~ Have Alternate plan in place when aircraft is grounded due to visibility issues.</p> <p>~ If air or ground ambulance is delayed: package and transport patient to rendezvous with incoming ambulance.</p> <p>~ Re-route EMS helicopter to rendezvous point as appropriate</p> <p>~ Be aware of Rotor Wash & its effect on Fire behavior when the extraction point is next to an active fire edge.</p> <ul style="list-style-type: none"> • If possible, MOVE patient to an area with less fire activity
ALL	Hydration & Heat Illness	<ul style="list-style-type: none"> • Pre-hydrate, Re-hydrate! Dehydration is preventable.....Drink a <u>minimum</u> of ½ qt/hr • Do NOT mix with water or dilute electrolyte drink. It must be consumed as is for the body to absorb properly. • Low volumes of dark, concentrated urine or painful urination indicate a serious need for rehydration, & medical attention. • Pace work to avoid heat injuries • Refer to Medical Plan for additional EMS care and Evacuation
M, Z	Firing Operations	<ul style="list-style-type: none"> • Identify the Firing Boss & Holding Boss and make it known to all. • Know the Plan. Communicate the Plan. • Lookouts, Communications & Escape Routes are in place • Use qualified personnel for all assignments & Trainees have qualified trainers. • Utilize Risk Mgmt. Process (IRPG p. 1) for implementing the plan. • Keep your ESCAPE Routes cleared of vehicles and equipment
M, Z	Steep Terrain	<ul style="list-style-type: none"> • Extreme footing issues down into Bear Pen Flat (Div-Z), Soapstone Gulch and Nickowitz Creek • Have a plan in place for Medical Extrication possibilities • Limit High Risk Activities • Ensure good comms with Nickowitz communications before committing resources
ALL	Communications	<ul style="list-style-type: none"> • Ensure you have received the most current communications plan, and your radios have been cloned to it BEFORE heading out to your work area. • Use human repeaters in areas with sketchy communications. • Refer to the 5 communication responsibilities listed on page ix in the 2014 IRPG
M, Z	Aircraft Operations till 2000	<ul style="list-style-type: none"> • Review and discuss Aviation Watch Out Situations listed in IRPG pg 44 • Ensure the mission is necessary • Evaluate risk vs gain for each mission/target • Use aerial Supervision and maintain separation.

**Nickowitz INCIDENT RISK ANALYSIS (215a)
Day Shift, August 29th – 31st, 2015**

M, Z	Fire Behavior	<ul style="list-style-type: none"> • Ensure a solid anchor point and flank. • Use experienced LOOKOUTS under these conditions. • Monitor weather conditions. Be aware of visual indicators (clouds, WX obs., cold front passage) • Maintain adequate escape routes and safety zones. Set trigger points when appropriate. Communicate any changes. • Spotting Potential still exists...up to ½ mile with predicted winds "Eyes to the green" 	
ALL	Smoke Exposure	<ul style="list-style-type: none"> • Refer to Medical Plan and contact your Division if you have difficulty breathing or chest pain. • Rotate crews out of the thickest concentrations of smoke. Utilize patrols in vehicles with flashers on through these areas to check the fire line when possible. 	
ALL	Biting, Stinging Insects, & Critters	<ul style="list-style-type: none"> • If allergic to bee stings, let your DIVS & Medic/EMT's know. • Leave wildlife alone. Backhaul ALL Trash please. 	
ALL	Complacency	<ul style="list-style-type: none"> • Maintain focus! The job isn't done till we're home with our families • Don't let your operations fall into the "routine" category. • Maintain situational awareness in all activities. • The first step to an accident involves the false belief that experience makes you invulnerable. 	
INCIDENT NAME Nickowitz Fire ICS 215a		DATE PREPARED: August 28, 2015	OPERATIONAL PERIOD Day Shift 0700 - 2000 August 29 – 31, 2015 Prepared by: Tanzi – SOF1, Barnhart – SOF2, Mackensen – SOF2
		TIME PREPARED: 1200 HOURS	



Today's discussion is from the
Fireline Safety Category.

UNBURNED FUEL BETWEEN YOU AND THE FIRE

It is important for firefighters to recognize unburned fuel between themselves and the fire as Watchout Situation #11. Often it is not possible or practical for direct attack on a fire. Before attempting indirect attack and any time the firefighter is in a position where there is unburned fuel between them and the fire, the following questions must be addressed immediately:

- Can you see the fire or are you in contact with someone who can? Discuss situations you might find yourself in where you are out in the green and cannot see the fire. What can you do?
- Is fire spread in a direction away from you? Do you consider the potential for fire spread? Are you safe if the wind switches?
- Will your position be defensible when the fire reaches you? Talk about what must be taken into account when building indirect line or approaching a fire through the green.
- Is your line anchored? Discuss how you anchor indirect line.
- Are your escape routes and safety zones adequate? What is adequate?
- Are weather indicators constantly changing?
- To reduce the risks:
 - Post lookouts
 - Consider a different location. Review situations where you constructed indirect line or approached a fire through the green and how you provided for your safety.

References:

Interagency Standards for Fire and Fire Aviation Operations
Incident Response Pocket Guide

Have an idea? Have feedback? Share it.

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Today's discussion is from the
Hazard Tree Category.

HAZARD TREE - RISK MANAGEMENT

Situational Awareness/ Hazard Assessment

● Environment:

- Existing winds and forecast
- Night operations
- Steep slopes
- Diseased or bug-kill areas
- Number, density, and height of hazard trees
- Anticipated burn-down time
- Potential for domino effect to surrounding trees
- Maintain situational awareness and continually reassess hazards

● Hazard Tree Indicators:

- Trees burning for any period of time
- High risk tree species (rot and shallow roots)
- Numerous downed trees
- Dead, broken, or burning tops and limbs overhead
- Accumulation of downed limbs
- Absence of needles, bark or limbs
- Leaning or hung-up

● **Note:** In addition to suppression and mop-up operations, assess, control, and monitor hazard trees along roads and when selecting break areas or campsites.

● Hazard Control:

- Eliminate the hazards with qualified sawyers, blasters/explosives, or heavy equipment
- Avoid hazards by designating "No Work Zones" (NWZ) – (flag, sign, and map)
- Modify suppression tactics or fireline location to avoid extreme/high risk rated area
- Post lookouts to help maintain secure area
- Fire proof potential hazard trees to prevent ignition
- Initiate road/traffic control and area closure
- Keep clear of bucket drops near trees/snags
- Establish trigger points for reposition to secure areas in response to high winds

References: [Hazard Tree Safety Web Page](#)

Have an idea? Have feedback? Share it.

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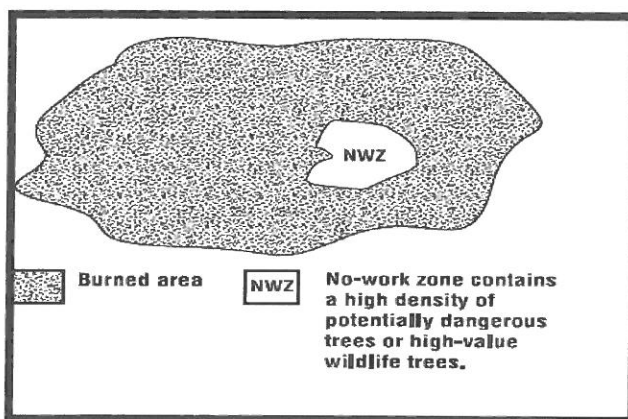
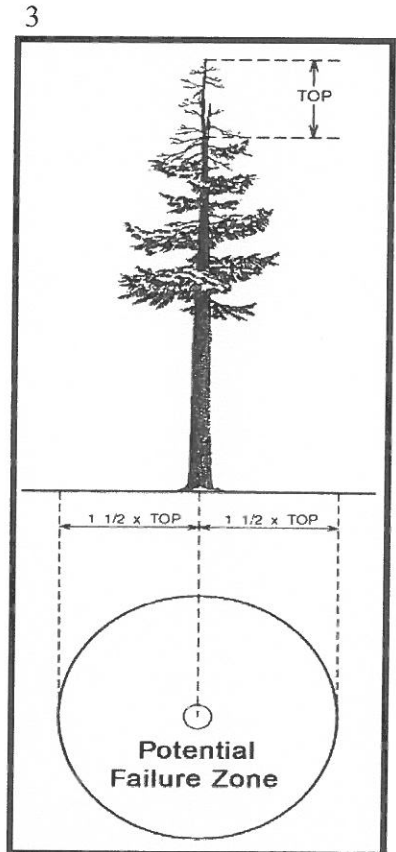
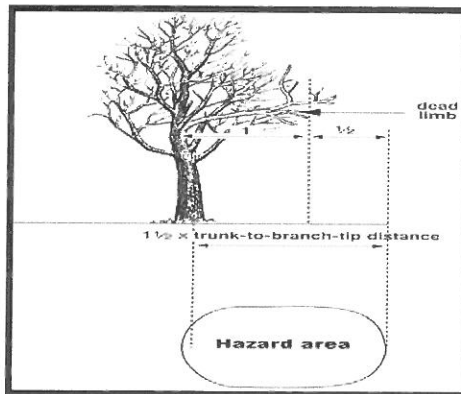
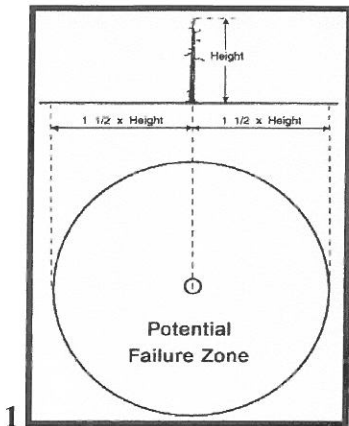
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HAZARD TREE – NO WORK ZONES (NWZ)

Knowing when the exact time a given hazard tree (or compromised section) will fail is an extremely difficult, and is, in many cases, an unpredictable task. Given this fact, we need to manage firefighters' exposure to these hazards by creating a safe work area or NWZ. The size and extent of the NWZ must be determined by onsite conditions, such as terrain, lean, active fire in the tree and adjoining trees.

When an identified hazardous tree cannot be felled, then perform an assessment of which areas have too high a risk, and post a lookout to warn the personnel to stay clear of these areas while working in adjacent areas. If hazard still exists before leaving the area, flag the NWZ so that personnel entering the area will be able to recognize the hazard. Use the following failure zone illustrations as examples to help manage firefighter exposure to these identified hazards. Also remember to include the possibility of the "Domino Effect" to surrounding trees.

#1 – 1 1/2 X Height of snag, #2 – 1 1/2 X truck-to-branch-tip distance #3 - 1-1/2 X length of dead top.



References:
Hazard Tree Assessor's Guide @ [Hazard Tree Safety Web Page](#)

Have an idea? Have feedback? Share it.

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

Fatigue/Stress

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

- Behavioral indicators
 - Decreased motivation and low morale
 - Increased irritability and depression

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

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

References:

Wildland Firefighter Health & Safety Report, Missoula Technology & Development Center
1)Spring 2004
2)Fall 2000
3)Fatigue Awareness PowerPoint

CISM Information Pamphlet, International Critical Incident Stress Foundation, www.icisf.org

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Appendix A

Effective Waterbars

When locating and building water bars, place them the right **distance** apart, at a **diagonal** to the fireline, so that they **divert**, then **discharge**, then **dissipate** the energy of the flowing water. Be sure to make them deep enough so they'll be durable, and that soil does **not block** the water bar outlet.

Recommended spacing for waterbars on firelines.

Fireline slope %	Maximum Distance Apart (feet)
1-5	200
6-20	125
21-40	60
41-60	40
>60	25

Waterbars should be at least 2 pulaski (4-6 inches) widths wide and 12-24 inches high for handlines.

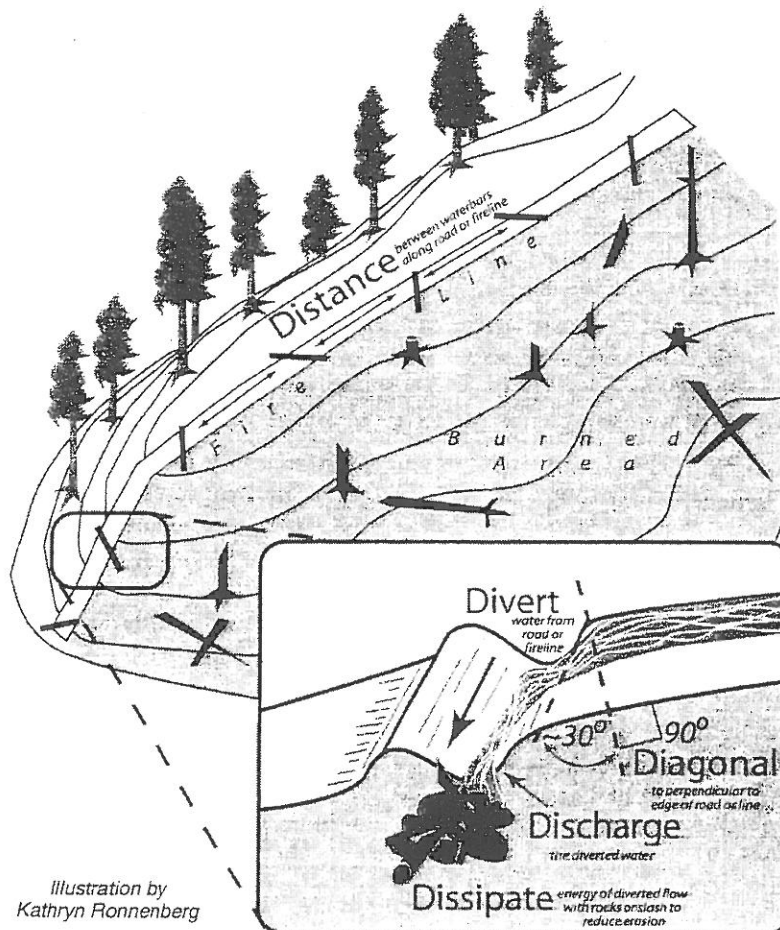


Illustration by
Kathryn Ronnenberg

