

**Nickowitz**  
Incident Action Plan  
Monday, August 24, 2015  
Day Shift 0600 - 2000



*We are ALL accountable for SAFETY*

**CA-SRF-1470, P5J0S5, (0510)  
Six Rivers National Forest  
Northern California Incident Management Team 1**



INCIDENT OBJECTIVES	1. Incident Name Nickowitz	2. Date 08/23/2015	3. Time 2000
4. Operational Period August 24, 2015 DAY SHIFT			
<p><u>CONTROL OBJECTIVES</u></p> <p>1) Keep the Nickowitz Fire:</p> <ul style="list-style-type: none"> <li>• South of the 14N02 road.</li> <li>• North and West of the 13N01 road.</li> <li>• Within the Siskiyou Wilderness boundary to the west.</li> </ul> <p><u>MANAGEMENT OBJECTIVES</u></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><u>GENERAL SITUATIONAL AWARENESS</u></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 &amp; 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 &amp; getting established onto state DPA, tribal lands and private timber company lands.</p>			
6. Weather Forecast for Period			
<ul style="list-style-type: none"> <li>• See attached weather forecast.</li> </ul>			
7. General Safety Message			
<ul style="list-style-type: none"> <li>• See attached safety messages.</li> </ul>			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203 <input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204 <input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> Medical Plan - ICS 206 <input checked="" type="checkbox"/> Incident Map <input type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> Weather <input checked="" type="checkbox"/> ICS215a <input type="checkbox"/> Rehab Considerations	
9. Prepared by (Planning Section Chief) WALTER HERZOG	10. Approved by (Incident Commander) Jay Kurth <i>[Signature]</i>		





<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>A/B/Z (1 or 2)</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: <b>August 24, 2015</b> Time: <b>0600- 2000</b>				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor		PAUL JOHNSON, RAY DOMBROSKI (t)	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.		RICO GONZALEZ	
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
HC2IA KARUK #1 C-10	TAYLOR SUPER	8/25	20	N	0700	2000
HELI CREW 502 A-50	GRAVES / O'SHELL (t)	8/30	10	N	0700	2000
ENG4 LITTLETON #741 E-76	BRANDON BOLE	8/26	4	N	0700	2000
WTS1 ORLEANS THORN E-91	KING	8/27	1	N	0700	2000
WT2 WHITE LOGGING E-92	TOM WHITE	8/29	1	N	0700	2000
WTS2 KEN'S WT E-28	AUGUST McCLAIN	8/25	1	N	0700	2000
WTS2 R. BROWN CONST E-142	JOAQUIN DURAZO	9/3	1	N	0700	2000
EXCAVATOR HAT CREEK E-98	KYLE PERE	8/28	1	N	0700	2000
EXCAVATOR WALBERG E-99	ANDREW BOLAYOG	9/3	1	N	0700	2000
CHIP SKYLINE E-27	SEAN BALDIVID	9/3	2	N	0700	2000
7. Control Operations Hold and patrol existing control lines. Mop up where safe to do so. Burn out as necessary in DIV Z.						
8. Special Instructions: Medic 31 Incident Ambulance staged at DP6. Implement 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
Tactical	5	NIFC T7	168.2500N	127.3	168.2500N	127.3
A/G Command	9	A/G CMD	164.8625N		164.8625N	
Prepared by (Resource Unit Leader) Tanya Costello (t)		Approved by (Planning Section Chief) Walter Herzog			Date August 23, 2015	

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>A/B/Z (2 of 2)</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 24, 2015 Time: 0600- 2000				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor		PAUL JOHNSON, RAY DOMBROSKI (t)	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.		RICO GONZALEZ	
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
TFLD O-101	TERRY WARLICK	8/29	1	N	0700	2000
TFLD (t) O-209	ERIK BORLAUG	9/2	1	N	0700	2000
HEQB O-83	PAUL ROGERS	8/29	1	N	0700	2000
FAL1 NORTH ZONE FALLERS O-4	ERIC BROWN	8/24	1	N	0700	2000
FAL1 NORTH ZONE FALLERS O-208	ROBERT FREEMAN	9/1	1	N	0700	2000
FEMP O-55	PJ GOETZ	8/25	1	N	0700	2000
REMS TEAM O-17 / FEMP O-212 (Share w/ C)	MIKE MACINNES RICK BRACELIN		3	N	0700	2000
SOF2 O-71	JASON JONES	8/26	1	N	0700	2000
7. Control Operations Hold and patrol control existing lines. Mop up where safe to do so. Burn out as necessary in DIV Z.						
8. Special Instructions: Medic 31 Incident Ambulance staged at DP6. Implement 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
Tactical	5	NIFC T7	168.2500N	127.3	168.2500N	127.3
A/G Command	9	A/G CMD	164.8625N		164.8625N	
Prepared by (Resource Unit Leader) Tanya Costello (t)		Approved by (Planning Section Chief) Walter Herzog			Date August 23, 2015	

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>C 1 of 2</b>			
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 24, 2015      Time: 0600- 2000					
5. Operations Personnel							
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor	RANDY JENNINGS, BRIAN ROGERS (t)			
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor	RICO GONZALEZ			
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	
ENG3 S/T 4177C E-104	DAVID INGRUM, JEFF NUSSBAUMER (t)	8/26	18	N	0700	2000	
ENG3 S/T 3660 C E-85	CLAYTON BECK	8/26	26	N	0700	2000	
ENG6 ARVADA FPD 58 E-75	TODD WEILER	8/26	3	N	0700	2000	
DOZ2 JB LOGGING E-68	MONTE HEART	8/27	1	N	0700	2000	
DOZ 1 R. BROWN CONST. #1 E-25	GARY CARTWRIGHT	8/30	1	N	0700	2000	
DOZ 1 R. BROWN CONST. #2 E32	GORDY WATKINS	9/5	1	N	0700	2000	
WT1 LENAHAN E-108	TRISTAN HUEGEL	8/31	1	N	0700	2000	
WT2 PETERS E-109	CODY WELDON	8/31	1	N	0700	2000	
WT2 H&S E-110	HAROLD SHUMAN	8/31	1	N	0700	2000	
WT1 R. BROWN E-113	STEVE DYE	8/31	1	N	0700	2000	
WT2 PETER'S ENT. E-106	JESSE MORTON	8/31	1	N	0700	2000	
WT1 CATTLELACK RANCH E-129	ERIC HEAD	8/30	1	N	0700	2000	
7. Control Operations Hold and patrol existing control lines. Mop up where safe to do so. Burn out where necessary.							
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	
Tactical	6	R5 TAC5	167.1125N	127.3	167.1125N	127.3	
A/G Command	9	A/G CMD	164.8625N		164.8625N		
Prepared by (Resource Unit Leader) Tanya Costello (t)			Approved by (Planning Section Chief) Walter Herzog		Date August 23, 2015		

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>C 2 of 2</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 24, 2015      Time: 0600- 2000				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (†)		Division/Group Supervisor	RANDY JENNINGS, BRIAN ROGERS (†)		
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor	RICO GONZALEZ		
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
FAL1 BR TREE O-34	RON HAMMER	8/22	2	N	700	2000
TFLD O-194	BRANDON WOODWARD	8/27	1	N	0700	2000
TFLD (t) O-95	ORLANDO GENAO	8/30	1	N	0700	2000
HEQB O-57	COLBY HILL	8/26	1	N	0700	2000
HEQB O-62	QUINCELL HUBBARD	8/27	1	N	0700	2000
HEQB O-82	ROBERT JONES	8/29	1	N	0700	2000
FEMP O-126	BILL CLARK	8/24	1	N	0700	2000
FEMP O-127	TYE DINGMAN	8/24	1	N	0700	2000
REMS TEAM O-17/ FEMP O-212 (Share w/ M)	MIKE MACINNES RICK BRACELIN		3	N	0700	2000
SOF2 O-88.55 (Share w/ M)	JIM MACKENSEN	8/28	1	N	0700	2000
SOFR (t) O-181 (Share w/ M)	CHRIS WOODS	9/1	1	N	0700	2000
7. Control Operations Hold and patrol existing control lines. Mop up where safe to do so. Burn out where necessary.						
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
Tactical	6	R5 TAC5	167.1125N	127.3	167.1125N	127.3
A/G Command	9	A/G CMD	164.8625N		164.8625N	
Prepared by (Resource Unit Leader) Tanya Costello (†)		Approved by (Planning Section Chief) Walter Herzog			Date August 23, 2015	



<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>M</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 24, 2015 Time: 0600- 2000				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor		MARK VARDENEGA	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.		RICO GONZALEZ	
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	0700	2000
MAST MULCHER #1 E-36	DAVE KORNISH		2	N	0700	2000
FEMP O-170	JASON BEZEMER	8/31	1	N	0700	2000
FEMP O-129	NICK CHAPIN	8/31	1	N	0700	2000
SOF2 O-88.55 (Share w/ C)	JIM MACKENSEN	8/28	1	N	0700	2000
SOFR (t) O-181 (Share w/C )	CHRIS WOODS	9/1	1	N	0700	2000
7. Control Operations Construct handline from Barren Butte to NW. Continue to scout opportunities for control lines.						
8. Special Instructions: 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 C6B	173.5500N		165.7250N	127.3
Tactical	7	NIFC T1	168.0500N	127.3	168.0500N	127.3
A/G Command	9	A/G CMD	164.8625N		164.8625N	
Prepared by (Resource Unit Leader) Tanya Costello(t)		Approved by (Planning Section Chief) Walter Herzog			Date August 24, 2015	



<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>ROADS</b>	
3. Incident Name <b>NICKOWITZ FIRE</b>			4. Operational Period Date: August 24, 2015 Time: 0600- 2000			
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Group Supervisor		MIKE JELLISON, KRISTEN LARK (t)	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.		RICO GONZALEZ	
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
WT1 TT WATER TENDER E-112	KEVIN RICKEY	8/30	1	N	PER GROUP SUP.	PER GROUP SUP.
GRD KEN'S GRADER, INC E-53	ALLEN MULKEY	8/24	1	N	PER GROUP SUP.	PER GROUP SUP.
WT1 TT CONSTRUCTION E-6	CHRIS WILSON	8/30	1	N	PER GROUP SUP.	PER GROUP SUP.
WT1 LENAHAN E-111	CHUCK HUGHES	9/3	1	N	PER GROUP SUP.	PER GROUP SUP.
WT1 ALAN'S E-130	ALAN WHARFF	8/31	1	N	PER GROUP SUP.	PER GROUP SUP.
ECAMPUMP S-135	BUCK MACE	9/1	2	N	PER GROUP SUP.	PER GROUP SUP.
7. Control Operations						
Special Instructions: Roads Group use zone 1 channel 8 and motor logs radio.						
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
Tactical						
A/G Command	9	A/G CMD	164.8625N		164.8625N	
Prepared by (Resource Unit Leader) Tanya Costello (t)			Approved by (Planning Section Chief) Walter Herzog		Date August 23, 2015	

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>READS</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 24, 2015      Time: 0600- 2000				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND DON FREGULIA (t)		Lead READ		ROBERTO BELTRAN (0-7)	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.		RICO GONZALEZ	
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-41 (DIV A, B, C)	PATRICK LIESKE	8/24	1	N	0700	2000
READ O-42 (DIV A, B, C)	JEANNE DAWSON	8/26	1	N	0700	2000
READ O-43 (DIV M, C)	PAUL CLAEYSSSENS	8/25	1	N	0700	2000
ARCH O-47 (DIV M, C)	ALYSON KRAL	9/3	1	N	0700	2000
FOBS O-204	MICHAEL MUCK	8/25	1	N	0700	2000
READ O-56 (DIV A, B, C)	JOHN HUNTER	8/26	1	N	0700	2000
READ O-147 (DIV C)	PHIL PIERARD	9/3	1	N	0700	2000
HERITAGE CONSULTANT O-202	FRANK DONAHUE	8/30	1	N	0700	2000
HERITAGE CONSULTANT O-246	RICHARD BAILEY	9/5	1	N	0700	2000
HERITAGE CONSULTANT O-27	ALLEN STANSHAW	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
Tactical						
A/G Command	9	A/G CMD	164.8625N		164.8625N	
Prepared by (Resource Unit Leader) Tanya Costello (t)		Approved by (Planning Section Chief) Walter Herzog			Date August 23, 2015	





# FIRE BEHAVIOR FORECAST

<b>FORECAST NUMBER:</b> 17	<b>TYPE OF FIRE:</b> Wildland Fire
<b>FIRE NAME:</b> Nickowitz	<b>OPERATIONAL PERIOD:</b> 8/24, 0600 to 2000
<b>DATE ISSUED:</b> 8/23/15	<b>TIME ISSUED:</b> 2000
<b>UNIT:</b> Six Rivers National Forest	<b>SIGNED:</b> /s/ John Wood FBAN

## INPUTS

**WEATHER SUMMARY:** Upper level high pressure over the western United States will slowly drift off to the east over the next few days as a trough of low pressure moves into the northeast Pacific Ocean. This pattern will keep a persistent southwest flow aloft and help maintain dry conditions and seasonal temperatures over the area. Several upper level disturbances will move through the prevailing flow Monday but no precipitation is expected. Increased mid level winds may help to break the inversion a little earlier in the day. Another upper level impulse will move through on Tuesday night. This system does have some moisture and instability associated with it but its timing does not favor any precipitation from it. Yet another wave come through for Thursday but you guessed it, no rain is expected.

Expect maximum temperatures below 3000 ft: 83-88 degrees above 3000 ft 78-83. Minimum humidity, Ridges 20-24% Valleys 16-20%. Ridges Southeast 5-9 mph becoming southwest in the afternoon. Gusts to 15 possible. Valleys Upslope, up valley becoming west 4-8.

## OUTPUTS

**GENERAL:** Look for upper southwest flow to clear out the inversion early in the afternoon. Without the shading effect fire activity will pick up from was experienced on previous shifts, best characterized as moderate fire activity. West forecast winds have potential to emphasize the marine layer, effectively pushing cooler moist air farther up the Nickowitz creek drainage. Elevation below 2200 feet will have the most effect from the marine influence. Division Z, the northwest corner of the fire will see significant effect from the marine influence as it is the most exposed to the Blue Creek drainage. The most significant effect of the marine influence will be in light fuels and will help lower fire spread and may create poor conditions for ignitions until fuels dry to daily lows. Dry heavy fuels will continue to the main driver of fire activity, they are at their lowest levels seasonally. Shorter daylight period will begin to have an overall effect on burning conditions as we lose minutes of sunshine a day. Marine influence will begin to persist especially in the heavier fuels.

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 49 BI 63**

### SPECIFIC:

Fine fuel moisture 6% 1000 hr 10% Probability of ignition up to 50% unshaded Spot distance about a 1/4 mile.

**Division A and B:** No significant fire behavior expected.

**Division C:** Upper flow from the southwest will help move the inversion out early removing the shading effect from the fire. Activity will increase while topography will be the main determinant in fire spread. Fire activity will maintain persistent westward spread, while it consumes the available fuel.

**Division M and P:** No fire behavior expected to reach the division.

**Division Z:** Expect up slope winds to be stronger as southwest wind may find a path into the topography along the west handline. Marine layer influence and better recoveries will help to slow movement during the shift as. This same effect may create poor ignition operations conditions until leaf litter moisture content drops below 35%. The main fire will continue backing into Nickowitz Creek and it will continue persistent westward spread, although slowed by the marine influenced fuels.

## AIR OPERATIONS

Expect clearing early with a return of the smokey conditions in the late morning with, slight clearing is possible in the late afternoon.

## Safety Message

LCES is a quick and convenient reminder of critical tasks that need to be complete before engaging in suppression actions. Communication is the key that makes it work. Talk with crewmembers and ensure they are aware, coordinate with adjoining resources about the plan and confirm with supervisors that each piece is in place.

# INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name

**NICKOWITZ CA-SRF-001 470**

Date/Time Prepared

08-23-15 1915

Operational Period Date/Time

0600-1800 08-24-15

Only frequencies listed on this 205 are authorized for use on this incident.

Radio 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 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	TACTICAL	NIFC T5	UNASSIGNED	166.7250N	127.3	166.7250N	127.3	A	
5	TACTICAL	NIFC T7	DIVISION A/B/Z	168.2500N	127.3	168.2500N	127.3	A	
6	TACTICAL	R5 TAC5	DIVISION C	167.1125N	127.3	167.1125N	127.3	A	
7	TACTICAL	NIFC T1	DIVISION M	168.0500N	127.3	168.0500N	127.3	A	
8	TACTICAL	NIFC T3	DIVISION P	168.6000N	127.3	168.6000N	127.3	A	
9	AIG COMMAND	AIG CMD	ALL DIVISIONS	164.8625N		164.8625N		A	
10	UNASSIGNED	AIG TAC	UNASSIGNED						
11	IA COMMAND	SRRFOR5	IA COMMAND	168.7250N		170.1250N	146.2	A	ORLEANS MOUNTAIN
12	IA COMMAND	SRRFOR7	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	TACTICAL IA	NIFC T2	INITIAL ATTACK ONLY	168.2000N		168.2000N		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	

NOTE: TX TONES ON ALL CHANNELS ARE HARD CODED  
KEYPAD SELECTION NOT REQUIRED

Prepared by

Rick Cartoscelli, COML NoFCal IMT 1

Incident Location

SIX RIVERS NATIONAL FOREST

# AIR OPERATIONS SUMMARY

Prepared By: Glenn Dietz

Prepared Date: 8/23/2015

Prepared Time: 2000

1. INCIDENT NAME: <b>NICKOWITZ (CA-SRF-1470)</b>		2. OPS PERIOD DATE: <b>8/24/2015</b>		START TIME: <b>0700</b>		END TIME: <b>2000</b>		SUNRISE: <b>0632</b>		SUNSET: <b>2002</b>	
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.											
4. READY ALERT AIRCRAFT MEDEVAC: H-503 ***CALCORD TONE 6*** INITIAL ATTACK: H-502						5. TFR #: 5/3284 Altitude- 9000' MSL Polygon					

6. PERSONNEL	NAME	PHONE #	7. FREQUENCIES	AM	FM	8. FIXED-WING- Type/ Make-Model/ N#/ Base
AOBD	Glenn Dietz	ICP: 530-627-3491 Cell: 530-227-0017	AIR/AIR RW-FF	126.075		AIR TANKERS- Available in RDD, Cave Junction, Rohnerville.
ASGS	Steve Beall	ICP: 530-627-3491 Cell: 530-598-6755	AIR/ AIR RW- FF		164.7500	LEAD PLANES- Available in RDD.
ATGS			AIR TO GROUND		164.8625	ATGS AIRCRAFT- AOBD will order as needed.
HLCO			COMMAND			SEE COMM PLAN
HEB2	Ray Wilson	530-469-1502	DECK		163.1000	
			TOLC			
			MEDIVAC ON		156.0750	
			CALCORD		156.0750	OTHER FW AIRCRAFT-

9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA N#	T	MAKE/MODEL	BASE	AVAIL	START	REMARKS	FAA N#	T	MAKE/MODEL	BASE	AVAIL	START	REMARKS
H-503	3	Bell 407	Marble HLB	0700	0800	Pax, Bucket, PSD, Recon							
H-502	2	Bell 205 A1	Marble HLB	0700	0800	Pax, Bucket, Ext. Load	H-8MC	3	A-Star	Hoopa HLB			Call AOBD if needed.

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	As needed, order through AOBD.			
Water Dropping	As needed, order through AOBD.			



## MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name			2. Operational Period			
<b>NICKOWITZ FIRE</b>			Date/Time <b>8/24/15 0800-2000</b>			
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				
H-502 & H-503	Contact on Command	Marble Helibase				
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-2 N41°23.544 x W123°45.396		Other:		
Alternate no-fly plan:						
7. Remote Aid Stations						
Nickowitz Medical Unit– ICP Orleans N41°18.518 W123°31.511		Point of Contact:		MEDL – Clayton Thomas 530-906-6964		
		EMS Responders & Capability:		Frontline Medical – Advanced Life Support		
		Equipment Available on Site:		Medical supplies		
		Ambulance ETA :		Air – 55 min.      Ground – 35 min.		
8. Prepared By (Medical Unit Leader)			9. Date/Time		10. Reviewed By (Safety Officer)	
Leon Murphy- MEDL (t) 386-208-3083 <i>Leon Murphy</i>			8/23/15 1930		Michelle Tanzi <i>Michelle Tanzi</i>	
					8/23/15 1930	

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

### 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 24, 2015**

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	<p align="center"><b>Medical Emergencies</b></p>	<ul style="list-style-type: none"> <li>~ Review, understand and discuss with your resources the Medical Plan in the IAP.</li> <li>~ <b>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.</b></li> <li>~ Base all operational decisions and activities on these 3 questions:               <ol style="list-style-type: none"> <li>1.) What are we going to do if someone gets hurt?</li> <li>2.) How will we get them out of here?</li> <li>3.) How long will it take to get them to a hospital?</li> </ol> </li> <li>~ If the answers are insufficient, stop, re-assess and consider alternate strategies and tactics.</li> <li>~ <b>Have Alternate plan in place when aircraft is grounded due to visibility issues.</b></li> <li>~ If air or ground ambulance is delayed: package and transport patient to rendezvous with incoming ambulance.</li> <li>~ Re-route EMS helicopter to rendezvous point as appropriate</li> <li>~ Review page 2 in IRPG 2014 for briefing subordinates.</li> <li>~ If Night extraction by Air Ambulance with Hoist capabilities and NVG (Night Vision Goggles) is required, the following will assist in a smooth extraction.               <ul style="list-style-type: none"> <li>* <u>Minimum</u> of a 20' x 20' clearing</li> <li>* 3 GREEN "ChemLights" placed on edges of clearing forming a triangle to assist pilot in visual horizon.</li> <li>* Turn ALL headlamps and vehicle lights OFF</li> <li>* Communicate with Air Ambulance on CALCORD tone 6</li> </ul> </li> <li>~ <b>Be aware of Rotor Wash &amp; its effect on Fire behavior when the extraction point is next to an active fire edge.</b> <ul style="list-style-type: none"> <li>• <b>If possible, MOVE patient to an area with less fire activity</b></li> </ul> </li> </ul>
ALL	<p align="center"><b>Smoke Exposure</b></p>	<ul style="list-style-type: none"> <li>• Inhaling smoke for a short time can cause immediate (acute) effects. Smoke is irritating to the eyes, nose, and throat, and its odor may be nauseating. It can aggravate a lung condition known as asthma. <b>Refer to Medical Plan and contact your Division if you have difficulty breathing.</b></li> <li>• Inhaling carbon monoxide decreases the body's oxygen supply. This can cause headaches, reduce alertness, and aggravate a heart condition known as angina. <b>Refer to Med Plan and contact your Division if you have chest pain.</b></li> <li>• <b>Rotate crews out of the thickest concentrations of smoke. Utilize patrols in vehicles with flashers on through these areas to check fire line when possible.</b></li> </ul>
ALL	<p align="center"><b>Communications</b></p>	<ul style="list-style-type: none"> <li>• <b>Ensure you have received the most current communications plan, and your radios have been cloned to it before heading out to your work area.</b></li> <li>• TEST your radio before you leave camp to ensure you have comms, and then TEST again when you arrive at your work area.</li> <li>• <b>Use human repeaters in areas with sketchy comms.</b></li> <li>• Refer to the 5 communication responsibilities listed on page ix in the 2014 IRPG</li> </ul>
ALL	<p align="center"><b>Driving Hazards</b></p>	<ul style="list-style-type: none"> <li>• Shift changes &amp; congestion on roadways. On one way roads, contact outgoing resources on the radio. Wait till those resources have moved pass you, and then proceed to assigned area.</li> <li>• Roads within the burned areas have MANY hazards. Scout prior to committing travel through these areas. Mitigate if capable OR close road entirely until hazards have been mitigated.</li> <li>• Washboard conditions are common on most of the native surface roads. Maintain adequate following distances. <b>Reduce speed in Developed Areas.</b> Be watchful of local traffic &amp; pedestrians.</li> <li>• Get out of your vehicle and look before backing and/or use backers.</li> <li>• Maintain driving situational awareness.</li> <li>• <b>SEAT BELTS ON...LIGHTS ON...BEFORE wheels turn!</b></li> <li>• <b>Reduce driving speeds to allow for reaction time lag.</b></li> <li>• On dusty/smoky roads, don't follow too closely behind traffic. Allow time for dust/smoke to clear.</li> <li>• Establish one-way traffic or coordinate traffic flow if necessary.</li> <li>• Drive Defensively! <b>Expect the unexpected around every curve.</b></li> <li>• Don't drive when fatigued. Adhere to agency driving regulations and guidelines.</li> </ul>
C, Z	<p align="center"><b>Fire Behavior</b></p>	<ul style="list-style-type: none"> <li>• <b>Ensure a solid anchor point and flank.</b></li> <li>• <b>Use experienced LOOKOUTS under these conditions.</b></li> <li>• Monitor weather conditions. Be aware of visual indicators (clouds, WX obs., cold front passage)</li> <li>• Maintain adequate escape routes and safety zones. Set trigger points when appropriate. Communicate any changes.               <ul style="list-style-type: none"> <li>• Spotting Potential still exists...up to ¼ mile. "Eyes to the green"</li> <li>• <b>Fine Fuel Moisture @ 6%. 1000hr fuels @ 10%. Probability of Ignition @ 65% unshaded</b></li> </ul> </li> </ul>
C, Z	<p align="center"><b>Aircraft Operations till 2000</b></p>	<ul style="list-style-type: none"> <li>• Review and discuss Aviation Watch Out Situations listed in IRPG pg 44</li> <li>• Ensure the mission is necessary</li> <li>• Ensure resources are clear of "Target Area" during bucket or retardant use.</li> <li>• Use air-to-ground tactical frequency to communicate with aircraft.</li> <li>• Use clear, concise statements when directing aircraft. Use clock directions from pilot's perspective and mirror flashes.</li> <li>• Evaluate risk vs gain for each mission/target</li> <li>• Ensure use of qualified personnel when involved with longline operations.</li> <li>• Keep non-essential personnel away from dip sites (natural and/or man made)</li> <li>• Ensure personnel receive a passenger briefing prior to flight.</li> <li>• <b>Use aerial Supervision and maintain separation.</b></li> </ul>

**Nickowitz INCIDENT RISK ANALYSIS (215a)  
Day Shift, August 24, 2015**

C, Z	<b>Firing Operations</b>	<ul style="list-style-type: none"> <li>• Identify the Firing Boss &amp; Holding Boss and make it known to all.</li> <li>• Brief all resources including adjoining Divisions on the approved plan.</li> <li>• Ensure Communications are in place with both ground and air resources.</li> <li>• Assure experienced lookouts are in place before implementing plan.</li> <li>• Use qualified personnel for all assignments &amp; Trainees have qualified trainers.</li> <li>• Utilize Risk Mgmt. Process (IRPG p. 1) for implementing the plan.</li> <li>• Ensure the 10 &amp; 18's are followed prior to implementing burning operations (IRPG back cover).</li> <li>• <b>Keep your ESCAPE Routes cleared of vehicles and equipment</b></li> </ul>
ALL	<b>Danger Trees &amp; Procedural Felling Operations</b>	<ul style="list-style-type: none"> <li>• <b>Green trees are falling about 1 hr after burn has run through.</b></li> <li>• <b>NO night falling of snags and live green trees (DANGER TREES)</b></li> <li>• Identify, communicate and flag all high-risk DANGER TREES.</li> <li>• Establish Lookouts when engaged in falling operations.</li> <li>• Scout work area for overhead hazards to ensure safe work areas.</li> <li>• <b>Mitigate using qualified personnel only.</b></li> <li>• Re-assess the need to eliminate the hazard by felling if it is feasible to keep personnel away</li> <li>• If unable to mitigate hazard, <b>Flag Off area, communicate the location &amp; keep personnel away.</b></li> <li>• Review pages 22, 23 &amp; 79 in 2014 IRPG</li> </ul>
ALL	<b>Hydration &amp; Heat Illness</b>	<ul style="list-style-type: none"> <li>• <b>Pre-hydrate, Re-hydrate! Dehydration is preventable.....Drink a minimum of 250ml/hour; (¼ of canteen)</b></li> <li>• Drink water &amp; Electrolyte drinks before, during, and after shifts. (2 waters to 1 sports drink).</li> <li>• <b>Do NOT mix with water</b> or dilute electrolyte drink. It must be consumed as is for the body to absorb properly.</li> <li>• <b>Low volumes of dark, concentrated urine or painful urination indicate a serious need for rehydration, &amp; medical attention.</b></li> <li>• Ensure your crews take an adequate water/electrolyte supply out to assignment and order more as needed. Take frequent snack breaks to keep blood sugar levels up.</li> <li>• Pace work to avoid heat injuries</li> <li>• Heat exhaustion is characterized by: Weakness, Extreme Fatigue, Nausea, Dizziness &amp; Headaches, clammy skin, persistent muscle cramps, decreased urine output.             <ul style="list-style-type: none"> <li>○ <b>Cool patient as quickly as possible!</b></li> <li>○ Move patient to a cooler location and provide cold water and sports drink.</li> <li>○ Actively reduce core temperature through evaporation by fanning patient.</li> <li>○ Remove Patient from fireline and seek medical attention</li> <li>○ Cover head and neck with wet cloth, increase air movement.</li> <li>○ Heat exhaustion is characterized by: Weakness, Extreme Fatigue, Nausea, Dizziness, Headaches, clammy skin, persistent muscle cramps, and decreased urine output.</li> </ul> </li> <li>• <b>Mental confusion may develop This is a serious trigger point for the potential onset of Heat Stroke or Hyponutremia (water intoxication).</b></li> <li>• Refer to Medical Plan for additional EMS care and Evacuation</li> </ul>
ALL	<b>Biting, Stinging Insects, &amp; Critters (Rattle Snakes, Bees, Mosquitoes, Scorpions, Ticks, Wildlife, etc)</b>	<ul style="list-style-type: none"> <li>• If allergic to bee stings, let your DIVS &amp; Medic/EMT's know.</li> <li>• Leave the snakes alone!</li> <li>• Shake out boots and or sleeping bags prior to use</li> <li>• Use bug spray to minimize mosquito bites.</li> <li>• Check yourself daily for tick bites.</li> <li>• <b>Leave wildlife alone. Backhaul ALL Trash please.</b></li> </ul>
ALL	<b>Complacency</b>	<ul style="list-style-type: none"> <li>• <b>Maintain focus! The job isn't done till we're home with our families</b></li> <li>• <b>Don't let your operations fall into the "routine" category.</b></li> <li>• Maintain situational awareness in all activities.</li> <li>• The first step to an accident involves the false belief that experience makes you invulnerable.</li> </ul>
INCIDENT NAME <b>Nickowitz Fire</b>  ICS 215a		DATE PREPARED: <b>August 23, 2015</b>
		OPERATIONAL PERIOD <b>Day Shift</b> <b>8/24/2015, 0600 - 2000</b> Prepared by: Tanzi – SOF1, Barnhart – SOF2, Mackensen – SOF2
		TIME PREPARED: <b>2100 HOURS</b>





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

### **COMMON DENOMINATORS OF FIRE BEHAVIOR ON TRAGEDY FIRES**

Five common denominators that contribute to accidents/incidents have been identified through studies of tragedy fires. It is important for firefighters to readily recognize the following common denominators so that future tragedies can be prevented:

- ♥ Most incidents happen on smaller fires or on isolated portions of larger fires.
- ♥ Most fires are innocent in appearance before unexpected shifts in wind direction and/or speed results in flare-ups or extreme fire behavior. In some cases, tragedies occur in the mop-up stage.
- ♥ Flare-ups generally occur in deceptively light fuels, such as grass and light brush.
- ♥ Fires run uphill surprisingly fast in chimneys, saddles, gullies, and on steep slopes.
- ♥ Some suppression tools, such as helicopters or airtankers, can adversely affect fire behavior. The blasts of air from low-flying helicopters and airtankers have been known to cause flare-ups.

#### References:

Incident Response Pocket Guide pg 4  
Fireline Handbook  
Common Denominators PowerPoint

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**Have an idea? Have feedback? Share it.**

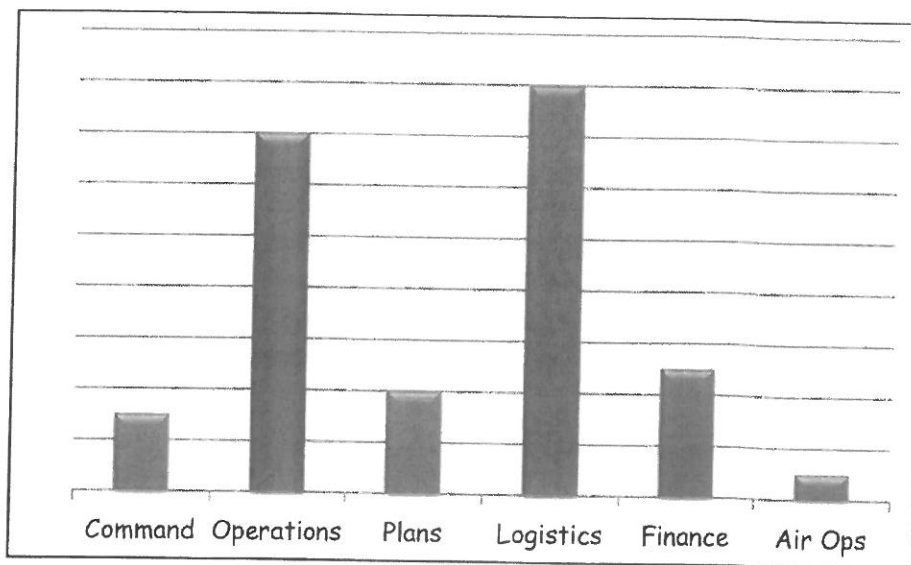
ONLINE | MAIL: 6 Minutes For Safety Task Group • 3833 S. Development Ave • Boise, ID 83705 | FAX: 208-387-5250

**6 Minutes Home**

## Training Specialist Message

There are 44 trainees working on the Nickowitz Fire

If you are working as a trainee and have not signed up, do it today!



*Logistics is in the lead - with Operations following close behind.*

---

If you are riding ahead of the herd, take a look back every now and then to make sure it's still there. -Will Rogers

D.Panno

TNSP

## 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.*

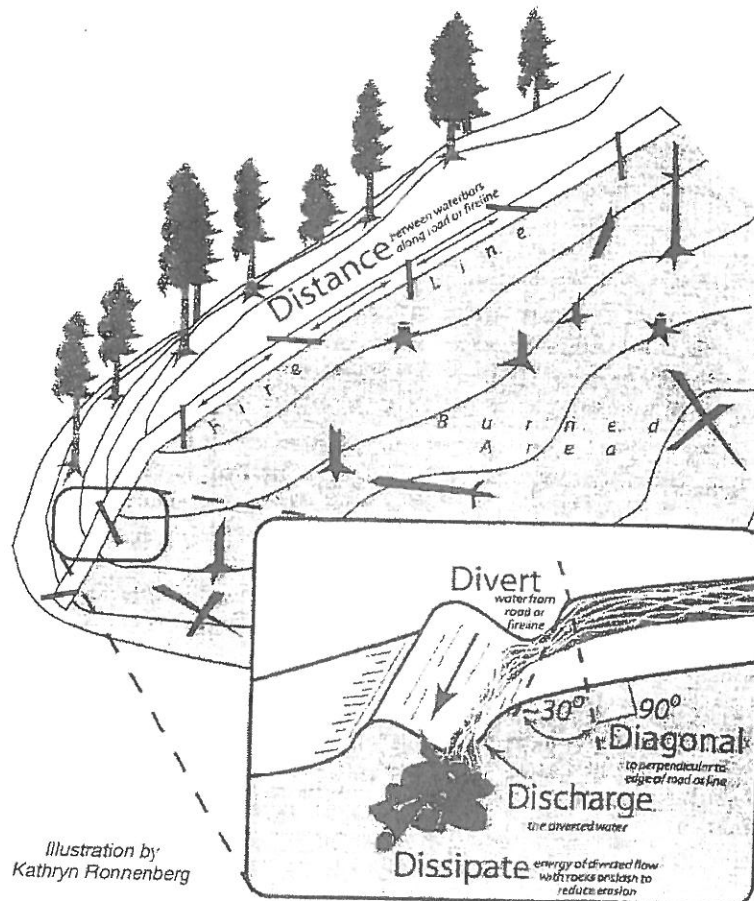
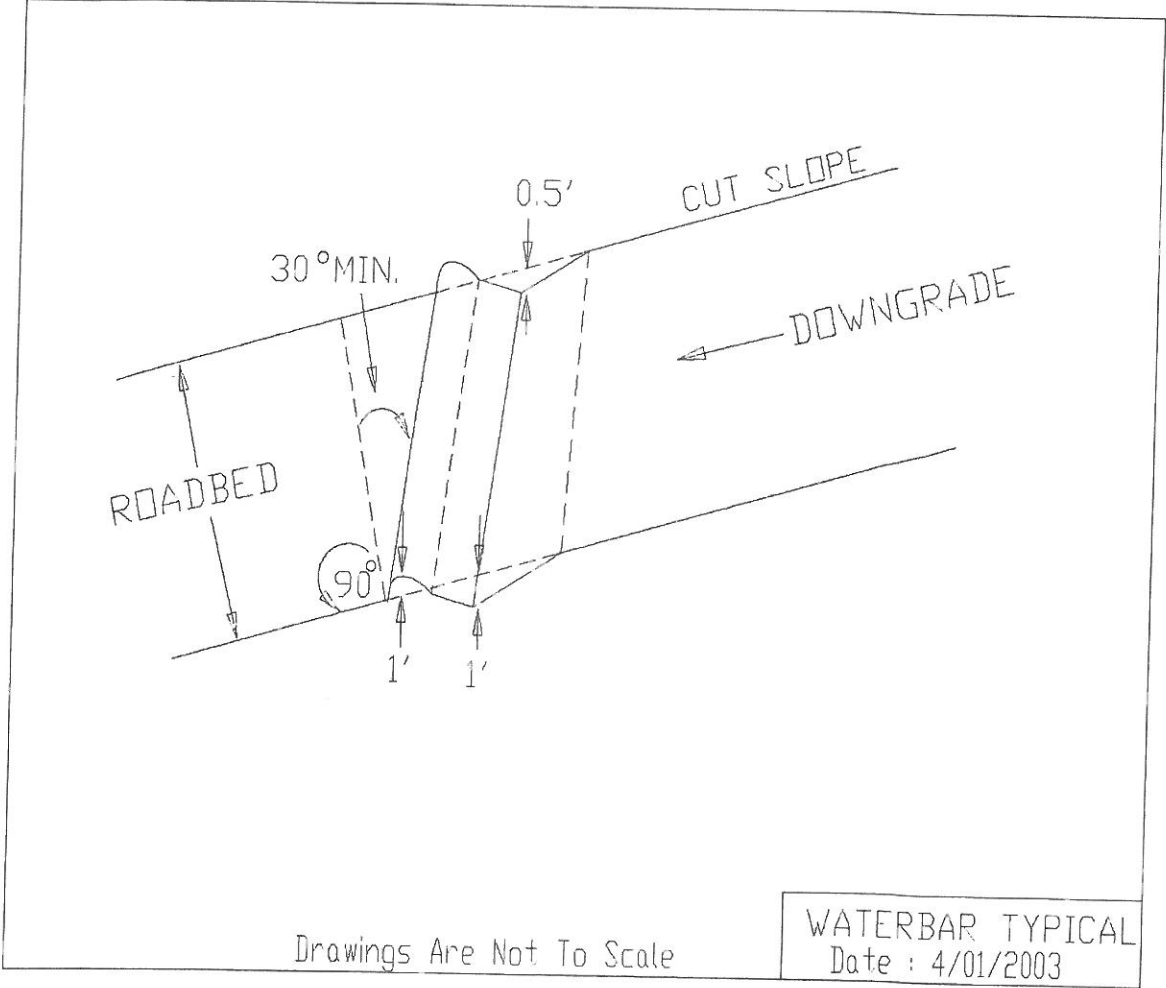


Illustration by  
Kathryn Ronnenberg



## 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	Amount
1	<b>1,000 Foot Hose Lay includes the following: Amount _____</b>	
	10, 100'x1½" Rolls Hose; 10, 100'x1" Rolls Hose; 10, 1½" Gated Wyes; 10, 1½" to 1" reducers; 10, 1" nozzles	
2	<b>2,000 Foot Hose Lay includes the following: Amount _____</b>	
	20, 100'x1½" Rolls Hose; 20, 100'x1" Rolls Hose; 20, 1½" Gated Wyes; 20, 1½" to 1" reducers; 20, 1" nozzles	
3	<b>3,000 Foot Hose Lay includes the following: Amount _____</b>	
	30, 100'x1½" Rolls Hose; 30, 100'x1" Rolls Hose; 30, 1½" Gated Wyes; 30, 1½" to 1" reducers; 30, 1" nozzles	

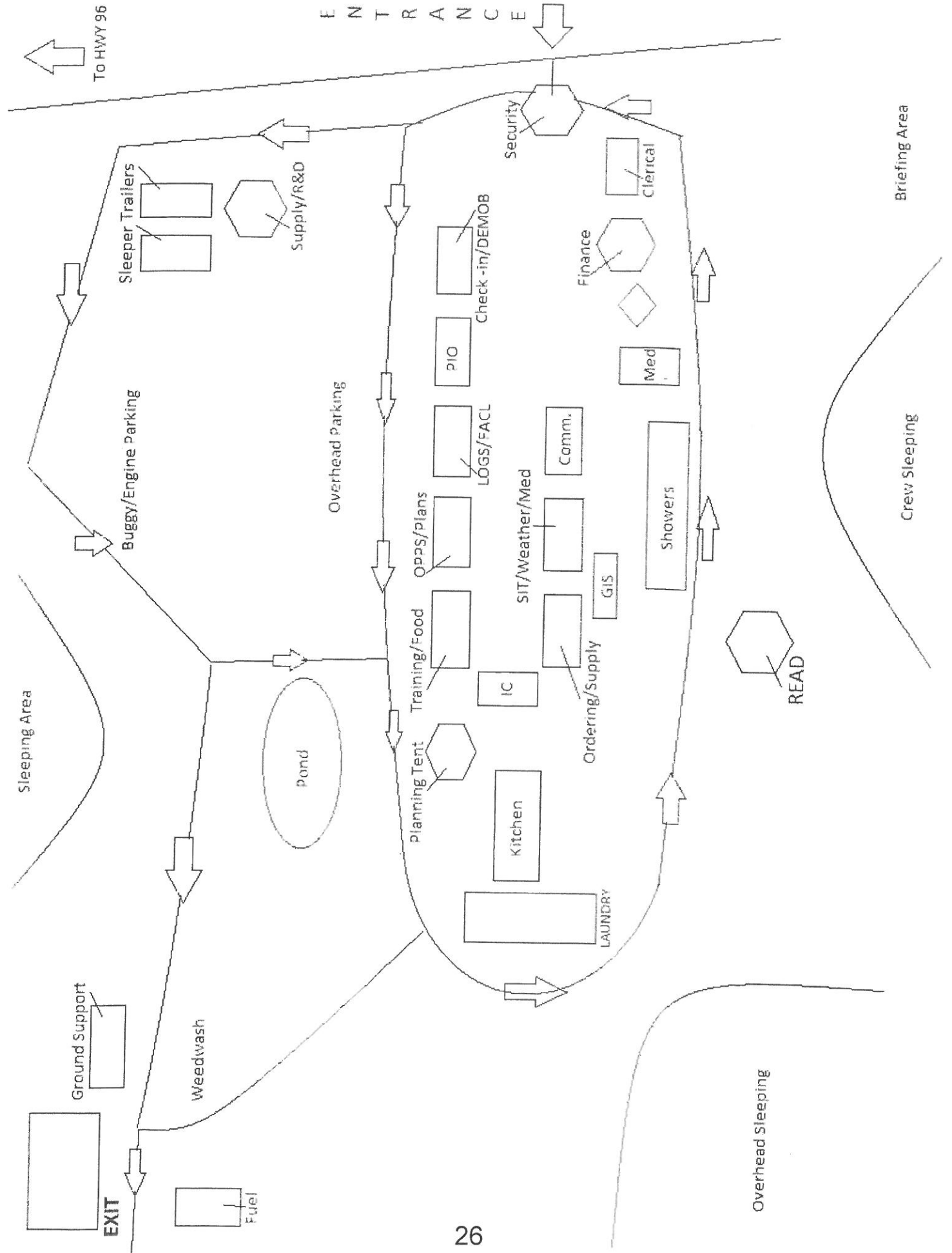
#	Item	Amount	#	Item	Amount
4	Hose (50') garden, 3/4"		30	Gas Unleaded (Gallons)	
5	Hose (100'), 1"		31	Oil 2 cycle, (Pints)	
6	Hose (100'), 1½"		32	Bar Oil (Qts)	
7	Nozzle, Garden, 3/4"		33	Drip Torch ea	
8	Nozzle, Forester, 1"		34	Drip torch mix 3.5:1.5 (gallon)	
9	Nozzle, KK Type, 1"		35	Fusees (Boxes or cases)???	
10	Nozzle, KK Type, 1½"		36	Flare Gun Rounds (12/BX)	
11	Wye, Gated, 3/4"		37	Cartridge #6 purple (box)	
12	Wye, Gated, 1"		38	Batteries "AA" PKGs(24/PKG)/BX	
13	Wye, Gated, 1½"		39	Ribbon, Flagging (Specify Color)*	
14	Inline-Tee, 1x1x3/4"		40	Water, Cubies	
15	Inline-Tee, 1x1x1"		41	Water, Bottled, Cases	
16	Inline-Tee (1½" X 1")		42	Gatorade	
17	Reducer, 1" X 3/4"		43	MRE's (12/BX)	
18	Reducer, 1½" X 1"		44	Heavy Mill Plastic	
19	Increaser, 3/4" X 1"		45	Washcloth, waterless, cleansing	
20	Increaser, 1" X 1½"		46	Wrap, Structure 54"x300'	
21	Foam 5 gal		47	Sprinkler Kit	
22	Foam 4 oz (For Backpack Pump)		48	Mark 3 Pump	
23	Backpack Pump		49	Mark 3 Pump Kit- w/10 gal mixed fuel	
24	Pumpkin (Gallons?)		50	Chainsaw Kit	
25	Porta-Tank (Gallons?)		51	Mop-Up Kit, 3-Wand	
26	Shovel		52	Pump Kit, Lightweight, 2 Cycle	
27	Pulaski		53	Gas, Raw and 2 qts 2-cycle oil, ea	
28	Combi Tool		54	Lightweight Pump Kit-Cache w/5gal fuel	
29	McCloud		55	Gas, raw (gal) and 1 qt 2-cycle oil, ea.	

Notes: \_\_\_\_\_

Notes: \_\_\_\_\_







**UNIT LOG**

1. INCIDENT NAME

2. DATE  
PREPARED

3. TIME  
PREPARED

4. UNIT NAME/DESIGNATORS.

5. UNIT LEADER (NAME AND POSITION)

6. OPERATIONAL PERIOD

7. **PERSONNEL ROSTER ASSIGNED**

NAME

ICS POSITION

HOME BASE

8. **ACTIVITY LOG (CONTINUE ON REVERSE)**

TIME

MAJOR EVENTS