

# **Nickowitz**

## **Incident Action Plan**

**Wednesday, August 26<sup>th</sup>, 2015**

**Day Shift 0600 - 2000**



- ✓ **Hydration & Heat Related Illness**
  - **Dehydration is Preventable**
  - **Know the signs & symptoms of HRI**
  - **Recognize Individual Risk Factors**
  - **What Heat Injury controls are in place?**
  - **Refer to Heat Injury Prevention Guide in IAP**
  
- ✓ **Local School is in session today**
  - **Please keeps speeds slow around town**

**CA-SRF-1470, P5J0S5, (0510)**

**Six Rivers National Forest**

**Northern California Incident Management Team 1**



INCIDENT OBJECTIVES	1. Incident Name Nickowitz	2. Date 08/25/2015	3. Time 2000
4. Operational Period August 26, 2015 Day Shift			
<p><b>OPERATIONAL OBJECTIVES</b></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>2) Implement fire suppression repair in accordance with developed plans.</p> <p><b>MANAGEMENT OBJECTIVES</b></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><b>GENERAL SITUATIONAL AWARENESS</b></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"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Weather	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> ICS215a	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input type="checkbox"/> ICS 220	<input type="checkbox"/> Rehab Considerations	
9. Prepared by (Planning Section Chief) Walter Herzog	10. Approved by (Incident Commander) For Jay Kurth <i>Curtis Coats</i>		

ORGANIZATION ASSIGNMENT LIST			Facilities Unit	Frank DelCarlo, Jeff Huhtala, Richard Crowther (t)
1. Incident Name <b>Nickowitz</b>			Ground Support Unit	Harry Zabel, Mike Jellison, Kristen Lark (t)
2. Date August 25, 2015		3. Time 2000	Communications Unit	Rick Cartoscelli, Harold Reed (t)
4. Operational Period <b>Day August 26, 2015</b>			Medical Unit	Clayton Thomas, Leon Murhpy (t)
Position		Name	Receiving & Distribution	Fred Johnson, Dion Nugent (t)
5. Incident Commander and Staff			Security Manager	Mike Turner
Incident Commander	Jay Kurth		Food Unit	Jay Westlake, Mark McGuinness (t)
Deputy	Kent Swartzlander		Equipment Manager	Mona Lake
Incident Commander (t)	Curtis Coots (t)		9. Operations Section	
Safety Officer	Michele Tanzi, Jeff Barnhart, Jim Mackenson		Day Operations	Curt Lindstrand, Don Fregulia (t)
Information Officer	Phyllis Swanson, Barbara Rebiskie, Jane Laboa		Night Operations	
Liaison Officer	Kathy Hardy		Planning Ops	Dustan Mueller
Human Resources			a. Division/Groups – Day	
6. Agency Representative			Division/Group	A/B/Z Paul Johnson, Ray Dombroski (t)
Agency Administrator	Merv George		Division/Group	C Randy Jennings, Brian Rogers (t)
Agency Admin Rep	Nolan Colegrove		Division/Group	M Mark Vardenega, Tim Ritchey (t)
Karuk Tribal Rep	Bill Tripp		Division/Group	P Jeff Dupras
Yurok Tribal Rep	Javier Kinney		Division/Group	Repair Terry Warlick
Heritage Consultant Coordinator	David Medford		Division/Group	READS Roberto Beltran
Yurok Cultural Advisor	Richard Myers		Division/Group	
Lead READ	Roberto Beltran		Division/Group	
Heritage Resource Advisor	Alyson Kral		Division/Group	
Cal Fire	Tom Nix		Division/Group	
7. Planning Section			Division/Group	
Chief	Walter Herzog		Division/Group	
Deputy	Dave Sinclear		Division/Group	
Resources / Demob / Documentation / Status-Check-in Unit	Rifa Mustafia Gary Deboi, Tanya Costello (t), Alan Taylor (t)		Division/Group	
Situation Unit	Tim Ritchey, Stephen Schumacher (t)		Division/Group	
Training	Dominic Panno		Division/Group	
CTSP	George Steel		Division/Group	
GISS	Matt Dickinson, James Gonzalez, Amaria Crocoll (t)		Division/Group	
FBAN	John Wood		Division/Group	
IMET	Joe Goudsward		Division/Group	
8. Logistics Section			c. Air Operations Branch	
Chief	Ken Kumpe		Air Operations Branch Director	Glenn Dietz
Deputy	Brett Shurr		Air Attack Supervisor	
Supply Unit	Richard Sheets, Dave Alicea (t)		Air Support Supervisor	Steve Beall
Ordering	Ron Pierce, Josh Ramey (t)		Helicopter Coordinator	
			Air Tanker Coordinator	
			10. Finance Section	
			Chief	Lois Charlton, Wendy McCartney (t)
			Time Unit	
			Cost Unit	Kenny Lucien
			Compensation/Claims Unit	Debbie McIntosh
			Equipment Time	Veronica Rasmussen, Lou Ann Charbonnier
			Prepared by (Resource Unit Leader) Tanya Costello (t)	
			Approved by (Planning Section Chief) Walter Herzog	



DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group A/B/Z		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 26, 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.			
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
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
FEMP O-169	JASON CHANEY	9/1	1	N	0700	2000
FEMP O-212	RICK BRACELIN	9/3	1	N	0700	2000
SOF2 O-88.56	JEFF BARNHART	8/28	1	N	0700	2000
SOFR (t) O-181	CHRIS WOOD	9/1	1	N	0700	2000
REMS TEAM O-17	MIKE MACINNES	8/29	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. 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
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 25, 2015	

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group		
3. Incident Name <b>NICKOWITZ FIRE</b>			4. Operational Period Date: August 26, 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				
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	
WT1 LENAHAN E-108	TIM HUEGEL	9/8	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	
TFLD O-194	BRANDON WOODWARD	8/27	1	N	0700	2000	
TFLD (t) O-95	ORLANDO GENAO	8/30	1	N	0700	2000	
FEMP O-130	RYAN HOWARD	9/2	1	N	0700	2000	
FEMP O-252	RYAN SCHLIEGER	8/27	1	N	0700	2000	
SOF2 O-88.55 (Share w/ M)	JIM MACKENSEN	8/28	1	N	0700	2000	
SOF2 (t) O-262 (Share w/ M)	BRYAN McLEAN	9/4	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 25, 2015		

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group <b>M</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: <b>August 26, 2015</b> Time: <b>0600- 2000</b>				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor		MARK VARDENEGA, TIM RITCHEY (t)	
Planning Ops.	DUSTAN MUELLER		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 HEART LAKE C-27	BRANDYN HARVEY	9/2	18	N	0700	2000
HC 2IA GREY BACK 8A C-26	RAMIO MENDOZA	8/29	20	N	0700	2000
HC MOD Mt HEBRON 71 C-13	ERIC BLANKENSHIP	8/31	10	N	0700	2000
ENG6 CO-PBC-6151 E-77	DREW GETTEL	8/27	3	N	0700	2000
ENG6 CO-FTC-36 E-80	STEVEN HERNANDEZ	8/27	3	N	0700	2000
ENG6 LONGMONT 2123 E-81	JUAN SALOMON	8/27	3	N	0700	2000
ENG6 RENNER FIRE E-83	TERRY NELSON	8/27	3	N	070	2000
FAL1 BR TREE O-34	RON HAMMER	8/29	2	N	0700	2000
STEN O-61	ERIC WARD	8/28	1	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
SOFR O-88.55 (Share w/ C)	JIM MACKENSEN	8/28	1	N	0700	2000
SOFR (t) O-262 (Share w/ C)	BRYAN McLEAN	9/4	1	N	0700	2000
7. Control Operations Complete handline construction from Barren Butte to NW. Hold and improve 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 C68	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 25, 2015	



DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group	
3. Incident Name <b>NICKOWITZ FIRE</b>			4. Operational Period Date: August 26, 2015 Time: 0600- 2000			
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Group Supervisor		TERRY WARLICK	
Planning Ops.	DUSTAN MUELLER		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	0700	2000
ENG6 BRUSH 72 E-78	BOB OLME	8/27	3	N	0700	2000
ENG6 BRUSH 2 E-82	LEROY SEVERSON	8/27	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 + TRANS	GARY CARTWRIGHT	8/30	2	N	0700	2000
WT1 TT CONSTRUCTION E-6	CHRIS WILSON	8/30	1	N	0700	2000
WT1 TT WATER TENDER E-112	KEVIN RICKEY	8/30	1	N	0700	2000
WT1 ALAN'S E-130	ALAN WHARFF	8/31	1	N	0700	2000
GRD KEN'S GRADER, INC E-53	ALLEN MULKEY	9/5	1	N	0700	2000
CHIP SKYLINE E-27	SEAN BALDIVID	9/3	2	N	0700	2000
CHIP FIRE STORM E-169	DANE ECCLES	9/7	2	N	0700	2000
CHIP E-168	TIM BURKE	9/6	1	N	0700	2000
CHIP E-167	JACK BEHRENS	9/6	1	N	0700	2000
EXCAVATOR HAT CREEK E-98	KYLE PERE	8/28	1	N	0700	2000
EXCAVATOR HOLT LOGGING E-144	DAVID ZALESNY	9/7	1	N	0700	2000
EXCAVATOR BEN'S TRUCK E-176 + TRANS	ERIC SPRATT	9/8	2	N	0700	2000
ECAMPUMP S-135	BUCK MACE	9/1	2	N	0700	2000
FAL1 NORTH ZONE FALLERS O-208	ROBERT FREEMAN	9/1	1	N	0700	2000
HEQB O-83	PAUL ROGERS	8/29	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	9/6	1	N	0700	2000
TFLD (t) O-209	ERIK BORLAUG	9/2	1	N	0700	2000
7. Control Operations Continue stage 1 suppression repair in DIV A/B/C.						
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 C68	173.5500N		165.7250N	127.3
Tactical	4	NIFC T5	166.7250N	127.3	166.7250N	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 25, 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: <b>August 26, 2015</b> Time: <b>0600- 2000</b>			
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND DON FREGULIA (†)		Lead READ		ROBERTO BELTRAN (O-7)	
Planning Ops.	DUSTAN MUELLER		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-42 (DIV A, B, C)	JEANNE DAWSON	8/26	1	N	0700	2000
READ O-43 (DIV M, C)	PAUL CLAEYSSENS	8/30	1	N	0700	2000
ARCH O-47 (DIV M, C)	ALYSON KRAL	9/3	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
READ O-245	GREGG BOUSFIELD	9/6	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 (†)			Approved by (Planning Section Chief) Walter Herzog		Date August 25, 2015	



## INCIDENT Weather Forecast



**FORECAST NO: 9**  
**PREDICTION FOR: Day Shift**  
**SHIFT DATE: Wednesday 8/26/2015**  
**ISSUED: Tuesday 8/25/2015 at 2000**

**NAME OF FIRE: Nickowitz Fire**  
**UNIT: Six Rivers National Forest**  
**SIGNED: /s/ Joe Goudsward**  
**Incident Meteorologist**

### WEATHER DISCUSSION:

Very little change to the overall pattern is expected for the next couple of days with upper level ridging over the western United States and a large upper level trough off the west coast. The marine layer will continue to affect the lower elevations on the incident. An upper disturbance will move through the flow Wednesday but other a little wind in the mid levels, nothing is expected. This disturbance and limited instability maybe enough to break the inversion earlier. The upper pattern will start to undergo some drastic changes starting Friday and continuing through the weekend. A complex storm system is expected to move into the Pacific Northwest on Friday with a strong upper level disturbance passing through the area Friday night and early Saturday with rain returning to the forecast. Other weaker waves will move through during remainder of the weekend. Model inconsistencies remain adding some doubt to actual amounts of rain. Regardless, a cooler and moister weekend and into early next week is expected.

### WEATHER FORECAST FOR TODAY:

**WEATHER:** Partly sunny with areas of smoke.  
**TEMPERATURES: 1800 - 2500 feet:** 80 to 84, **Over 2500 feet:** 77 to 81`  
**MINIMUM HUMIDITY: Ridges:** 24 to 28%, **Valleys:** 19 to 24%  
**20 FT WINDS:**  
**RIDGETOP:** Southeast 5 to 9 mph becoming southwest in the afternoon.  
**SLOPE/VALLEY:** Up slope / Up valley becoming west 4 to 8 mph.  
**CWR:** 0% **LAL:** 1 **HAINES INDEX:** 3  
**STABILITY / INVERSION:** Inversion not breaking until mid to late afternoon.

### WEATHER FORECAST FOR TONIGHT:

**WEATHER:** Clear with areas of smoke.  
**TEMPERATURES: 1800 - 2500 feet:** 55 to 60, **Over 2500 feet:** 51 to 56  
**MAXIMUM HUMIDITY: Ridges:** 44 to 48%, **Valleys:** 67 to 74%, **Division Zulu** 77 to 84%.  
**20 FT WINDS:**  
**RIDGETOP:** Southwest 5 to 8 mph, shifting to the southeast after midnight.  
**SLOPE/VALLEY:** West 4 to 6 mph, becoming down slope / down valley 2 to 4 after midnight.  
**CWR:** 0% **LAL:** 1 **HAINES INDEX:** 2

### WEATHER FORECAST FOR THURSDAY:

**WEATHER:** Partly sunny with areas of smoke.  
**TEMPERATURES: 1800 - 2500 feet:** 79 to 85, **Over 2500 feet:** 76 to 82  
**MINIMUM HUMIDITY: Ridges:** 24 to 30%, **Valleys:** 20 to 26%  
**20 FT WINDS:**  
**RIDGETOP:** Southeast 3 to 6 mph, becoming south and increasing to 6 to 10 mph in the afternoon.  
**SLOPE/VALLEY:** Up slope / up valley 2 to 4 mph becoming southwest 5 to 7 in the afternoon.  
**CWR:** 0% **LAL:** 1 **HAINES INDEX:** 3  
**STABILITY / INVERSION:** Inversion not breaking until mid to late afternoon.

### EXTENDED FORECAST: Thursday through Saturday

**Friday:** Mostly cloudy. Lows 54 to 59. Highs 78 to 84. Minimum humidity 25 to 35%. West winds 5 to 10 mph.  
**Saturday:** Mostly cloudy with a good chance of rain. Lows 50 to 56. High 67 to 73. Minimum Humidity 35 to 45%. Southwest winds 5 to 10 mph  
**Sunday:** Mostly cloudy with a chance of rain. Lows 50 to 56. High 67 to 73. Minimum Humidity 30 to 40%. Southwest winds 5 to 10 mph



## FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 19	TYPE OF FIRE: Wildland Fire
FIRE NAME: Nickowitz	OPERATIONAL PERIOD: 8/26, 0600 to 2000
DATE ISSUED: 8/25/15	TIME ISSUED: 2000
UNIT: Six Rivers National Forest	SIGNED: /s/ John Wood FBAN

### INPUTS

**WEATHER SUMMARY:** Very little change to the overall pattern is expected for the next couple of days with upper level ridging over the western United States and a large upper level trough off the west coast. The marine layer will continue to affect the lower elevations on the incident. An upper disturbance will move through the flow Wednesday but other a little wind in the mid levels, nothing is expected. This disturbance and limited instability maybe enough to break the inversion earlier. The upper pattern will start to undergo some drastic changes starting Friday and continuing through the weekend. A complex storm system is expected to move into the Pacific Northwest on Friday with a strong upper level disturbance passing through the area Friday night and early Saturday with rain returning to the forecast. Other weaker waves will move through during remainder of the weekend. Model inconsistencies remain adding some doubt to actual amounts of rain. Regardless, a cooler and moister weekend and into early next week is expected.

Expect maximum temperatures below 2500 ft 80-84 degrees above 2500 ft 77-81. Minimum humidity, Ridges 24-28% Valleys 19-24%. Ridges Southeast 5-9 mph becoming southwest in the afternoon. Valleys Upslope, up valley becoming west 4-8.

### OUTPUTS

**GENERAL:** Look for the inversion to clear early in the afternoon. 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. Marine influence will raise fuel moistures in the light fuels and will help reduce fire spread this will also create poor conditions for ignitions until fuels dry. Do not expect the marine influence very far up Nickowitz Creek and likely just near the confluence with Blue Creek. Heavy fuels around 10% will continue to be the main driver of fire activity they have reached their lowest levels seasonally. Slight cooling trend with slightly higher relative humidity, will not have a noticeable effect of fire behavior but will be the start of a moderating trend as the wet system approaches. Shorter daylight period will begin to have an overall effect on burning conditions as we lose minutes of sunshine a day.

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 48 BI 43**

**SPECIFIC:** Fine fuel moisture 7% 1000 hr 10% Probability of ignition 50-70% Spot distance about a 1/4 mile.

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

**Division C:** Look for up canyon, upslope winds from Soapstone Gulch to influence fire activity. Where upslope winds align with the fire and slope expect moderate fire spread with torching likely and group torching possible. Fire spread will continue persistent westward spread into the available fuels. Topography will influence direction of spread more than wind. Fire crossing Soapstone Gulch has potential for uphill runs, especially if there are up canyon winds.

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

**Division Z:** Marine layer will persist near the confluence of Blue Creek and Nickowitz creek. Activity near the bottom of Nickowitz Creek suggests drier fuels or windy conditions in the drainage led to the activity. Fire in the bottom of Nickowitz Creek may get active before the inversion lifts up and will likely be active with the clearing in the afternoon. Short runs will be possible and more intense runs with up canyon breeze. The main fire on the above the creek near the "G" spur will continue backing into Nickowitz Creek and it will continue persistent westward spread.

### AIR OPERATIONS

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

### Safety Message

Base all actions on current and expected behavior of the fire. Use what you know about the fire environment to add context and time frames to your expectations.

# INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name

**NICKOWITZ CA-SRF-001 470**

Date/Time Prepared

08-25-15 2100

Operational Period Date/Time

0600-1800 08-26-15

**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		166.7250N	127.3	A	BARREN BUTTE
4	TACTICAL	NIFC T5	REPAIR GROUP	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	NOTE: TX TONES ON ALL CHANNELS ARE HARD CODED
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	A/G COMMAND	A/G CMD	ALL DIVISIONS	164.8625N		164.8625N		A	KEYPAD SELECTION NOT REQUIRED
10	UNASSIGNED	A/G TAG	UNASSIGNED						
11	IA COMMAND	SRFOR5	IA COMMAND	168.7250N		170.1250N	146.2	A	ORLEANS MOUNTAIN
12	IA COMMAND	SRFOR7	IA COMMAND	168.7250N		170.1250N	167.9	A	UKONOM MOUNTAIN
13	AIR-TO-GND IA	A/G 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	USE ONLY FOR URGENT AIRCRAFT IF HAND PROGRAMMING USE TONE 1

Prepared by Rick Cartoccelli, COM1 NorCal IMT 1

Incident Location

SIX RIVERS NATIONAL FOREST

# AIR OPERATIONS SUMMARY

Prepared By: Glenn Dietz

Prepared Date: 8/25/2015

Prepared Time: 2000

1. INCIDENT NAME: <b>NICKOWITZ (CA-SRF-1470)</b>		2. OPS PERIOD DATE: <b>8/26/2015</b>		START TIME: <b>0700</b>		END TIME: <b>2000</b>		SUNRISE: <b>0634</b>		SUNSET: <b>1959</b>							
3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): Helicopters are being shared from the Gasquet Complex. Please use A/G Command terrain influenced winds & wires crossing the Klamath River watershed. **If ordered to assist the Gasquet, utilize JP for check-in to Gasquet Airspace to avoid cultural no fly zones & airspace coordination, (see Air Ops map & Air Hazard map).**						4. READY ALERT AIRCRAFT MEDEVAC: H-503 ***CALCORD TONE 6*** INITIAL ATTACK: H-502						5. TFR #: 5/ Center: N 41° 26.000' W 123° 45.000' Radius: 5 nm Ceiling: 9000' MSL					

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		AIRTANKERS- 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										
			MED/VAC ON		156.0750								
			CALCORD		156.0750								
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	Hoopla 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											
Recon		As needed, order through AOBD.											
Water Dropping		As needed, order through AOBD.											
		MISSION START											
		FLY FROM											
		FLY TO											

## MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name				2. Operational Period						
<b>NICKOWITZ FIRE</b>				Date/Time <b>8/26/15 0600-2000</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		Long:	N40°47.02	30 min	2 hrs	707-445-8121	X		2700 Dolbeer, Eureka, CA	
		VHF:	W124°08.48							
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)			11. Date/Time	
Leon Murphy- MEDL (t) 386-208-3083 <i>Leon Murphy</i>				8/25/15 1930		Michele Tanzi <i>Michele Tanzi</i>			8/25/15 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 26, 2015**

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	Medical Emergencies	<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	Hydration & Heat Illness	<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 fire line 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> <li>• <b>Mental confusion may develop This is a serious trigger point for the potential onset of Heat Stroke or Hyponatremia (water intoxication).</b></li> </ul> </li> <li>• Refer to Medical Plan for additional EMS care and Evacuation</li> </ul>
ALL	Smoke Exposure	<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 the fire line when possible.</b></li> </ul>
ALL & ICP	Driving Hazards	<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 past 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 backer.</li> <li>• Maintain driving situational awareness.</li> <li>• <b>SEAT BELTS ON...LIGHTS ON...BEFORE wheels turn!.....even in ICP</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> <li>• Follow traffic plan and speed limits while in ICP.</li> </ul>

**Nickowitz INCIDENT RISK ANALYSIS (215a)  
Day Shift, August 26, 2015**

ALL	<b>Communications</b>	<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 communications.</b></li> <li>• Refer to the 5 communication responsibilities listed on page ix in the 2014 IRPG</li> </ul>	
C, Z	<b>Fire Behavior</b>	<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.</li> <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>	
C, Z	<b>Aircraft Operations till 2000</b>	<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 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>	
C, Z	<b>Firing Operations</b>	<ul style="list-style-type: none"> <li>• <b>Identify the Firing Boss &amp; Holding Boss and make it known to all.</b></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 procedural felling 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>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 25, 2015</b>	OPERATIONAL PERIOD <b>Day Shift</b> <b>8/26/2015, 0600 - 2000</b> Prepared by: Tanzi – SOF1, Barnhart – SOF2, Mackensen – SOF2
		TIME PREPARED: <b>2100 HOURS</b>	



## Warning Signs and Symptoms of Heat Stress and Illness

*With any of the below symptoms or signs, immediately call for medical evaluation by a 91W (Medic). If 91W is not immediately available, call for Medevac or ambulance.*

### Indications of Possible Heat Casualty

MORE COMMON SIGNS/SYMPTOMS	IMMEDIATE ACTIONS
<p><b>SERIOUS SIGNS/SYMPTOMS</b></p> <ul style="list-style-type: none"> <li>• Hot body, high temperature</li> <li>• Confusion, agitation (Mental Status Assessment)</li> <li>• Vomiting</li> <li>• Involuntary bowel movement</li> <li>• Convulsions</li> <li>• Weak or rapid pulse</li> <li>• Unresponsiveness, coma</li> <li>• Hyperventilating</li> </ul>	<p>Immediately call Medevac or ambulance for emergency transport while doing the following:</p> <ul style="list-style-type: none"> <li>• Lay person down in shade with feet elevated until Medevac or ambulance arrives</li> <li>• Undress as much as possible</li> <li>• Aggressively apply ice packs or ice sheets</li> <li>• Pour cold water over person and fan</li> <li>• Give slds of water while awaiting ambulance (if conscious)</li> <li>• Monitor airway and breathing until ambulance or Medevac arrive</li> <li>• Continue cooling during transport or until body reaches 100°F</li> </ul>

### Mental Status Assessment

An important sign that the Soldier is in a serious life-threatening condition is the presence of mental confusion (with or without increased temperature). Anyone can do a mental status assessment asking some simple questions.

Call for emergency Medevac or ambulance if any of the following exist:

- What is your name? (Does not know their name.)
- What month is it? What year is it? (Does not know the month or year.)
- Where are we/you?(is not aware of location or surroundings.)
- What were you doing before you became ill? (Does not know the events that led to the present situation.)

### Indications of Possible Water Intoxication (Over Hydration)

Signs and Symptoms: Confusion, Weakness, and Vomiting  
What to do:

Ask these questions to the Soldier or battle buddy:

- Has Soldier been eating? Check rucksack for # of MRE's left. (Suspect water intoxication if Soldier has not been eating).
- Has Soldier been drinking a lot? (suspect water intoxication if Soldier has been drinking constantly).
- How often has Soldier urinated? (frequent urination seen with water intoxication; infrequent urination with heat illness).
- What color is urine? (clear urine may indicate over hydration).

If Soldier has been eating, drinking and urinating a lot, yet has these symptoms, immediately call Medevac or ambulance for emergency transport.



U.S. ARMY PUBLIC HEALTH COMMAND

<http://phc.amedd.army.mil>

1-800-222-9698

## Heat Injury Controls:



- Decision to accept risk is made at the appropriate level
- Made in accordance with TRADOC Reg 385-2, para 1-5e.



### Identified controls are in place

- Update WBGT hourly.
- Adhere to work/rest cycle in high heat categories.
- Run in formation at a double arm interval (the extra space is very effective to allow individual heat dissipation during runs).
- For tasks requiring continuous effort, adhere to the Continuous Work/Water Consumption Guide (without rest) and other standardized guidelines for warm weather training conditions. Allow several hours of rest afterwards.



### Monitor and enforce hydration standard

- Encourage frequent drinking. Do not exceed 1½ quarts per hour or 12 quarts per day. Make water more palatable, if possible, by cooling.
- Do not allow Soldiers or Trainees to empty canteens to lighten load (consider imposing a penalty in time events).
- Ensure Soldiers are well hydrated before training. Ask about urine - urine is clear if well hydrated.
- Check Riley (water) Card or Ogden Card frequently.



### Monitor and enforce eating of meals

- Ensure all meals are eaten during the meal break.
- Ensure adequate time to eat and drink meals.
- Table salt may be added to food when the heat category is high. Salt tablets are not recommended.



### Execute random checks

- Spot checks by Cadre, Senior NCO's, and Drill Instructors.
- Enforce battle buddy checks — need to be aware of each other's eating, drinking and frequency of urination.
- Plan placement of leaders to observe and react to heat casualties in dispersed training.



### Follow clothing recommendations

- Heat category 1-2: No restrictions.
- Heat category 3: Unblouse trouser legs, unbuckle web belt.
- Heat category 4-5:
  - Unblouse trouser legs, unbuckle web belt.
  - Remove t-shirt from under BDU top or remove BDU top down to t-shirt (depends whether biting insects are present).
  - Remove helmets unless there are specific safety reasons to keep them on (ex: range).
- MOPP 4: Add 10°F to WBGT index for easy work, and 20°F to WBGT index for moderate and hard work.
- Body Armor: Add 5°F to WBGT index.

## HIP Pocket Guide (Heat Injury Prevention Guide)

- Hazards
- Individual Risk Factors
- Fluid Replacement and Work/Rest Guide
- Heat Injury Controls
- Warning Signs and Symptoms of Heat Stress and Illness

### Hazards:

- High heat category, especially on several sequential days (measure WBGT when ambient temperature is over 75°F)
- Exertional level of training, especially on several sequential days
- Acclimatization (and other individual risk factors – see reverse side)
- Time of exposure, to include nights and recovery time

## Fluid Replacement and Work/Rest Guide

Heat Category	WBGT Index, °F	Easy Work		Moderate Work		Hard Work	
		Work/Rest	Water Intake (qt/hr)	Work/Rest	Water Intake (qt/hr)	Work/Rest	Water Intake (qt/hr)
1	78° - 81.9°	NL	¼	NL	¼	40/20 min	¼
2 (GREEN)	82° - 84.9°	NL	¼	50/10 min	¾	30/30 min	¾
3 (YELLOW)	85° - 87.9°	NL	¾	40/20 min	¾	30/30 min	¾
4 (ORANGE)	88° - 90.9°	NL	¾	30/30 min	¾	20/40 min	¾
5 (RED)	>91°	NL	¾	20/40 min	¾	10/50 min	¾

Easy Work = Walking on hard surface 2.5 mph <30 lb. load, Weapon maintenance, Marksanship training.  
Moderate Work = Patrolling, Walking in sand 2.5 mph no load, Callismetics  
Hard Work = Walking in sand 2.5 mph with load, Field assaults.

- The work/rest times and fluid replacement volumes will sustain performance and hydration for at least 4 hrs of work in the specified heat category. Fluid needs can vary based on individual differences (± ¼ qt/hr) and exposure to full sun or full shade (± ¼ qt/hr).
  - NL = no limit to work time per hr.
  - Rest = minimal physical activity (sitting or standing) accomplished in shade if possible.
  - CAUTION: Hourly fluid intake should not exceed 1½ qts.
  - Daily fluid intake should not exceed 12 qts.
  - If wearing body armor, add 5°F to WBGT index in humid climates.
  - If doing Easy Work and wearing NBC (MOPP 4) clothing, add 10°F to WBGT index.
  - If doing Moderate or Hard Work and wearing NBC (MOPP 4) clothing, add 20°F to WBGT index.
- Individual Risk Factors:**  
The more factors, the higher the risk  
Not acclimatized to heat (need 10-14 days to get Trainees adequately acclimated).
- Exposure to cumulative days (2-3 days) of any of the following:
    - Increased heat exposure
    - Lack of quality sleep
  - Overweight.
  - Minor illness (cold symptoms, sore throat, low grade fever, nausea, vomiting).
  - Taking medications (either prescribed or over-the-counter) and/or supplements or dietary aids. Example:
    - Allergy or cold remedies
    - Ehedia
  - Use of alcohol in the last 24 hours.
  - Prior history of heat illness (any heat stroke, or >2 episodes of heat exhaustion).
  - Skin disorders such as heat rash and sunburn that prevent effective sweating.
  - Age >40 years.

## TRAINING SPECIALIST MESSAGE

### TRAINERS:

*If you leave the incident before your trainee, or your trainee is no longer assigned to you, you will need to complete a performance evaluation, and the Task Book for the time period your trainee was assigned to you.*

Trainee Watch Out

You just found out your trainer has been demobed.



### TRAINEES

If you are working as a trainee and have not yet checked in with the Training Specialist do it today!

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"The only real mistake is the one from which we learn nothing." - John Powell



## 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.*

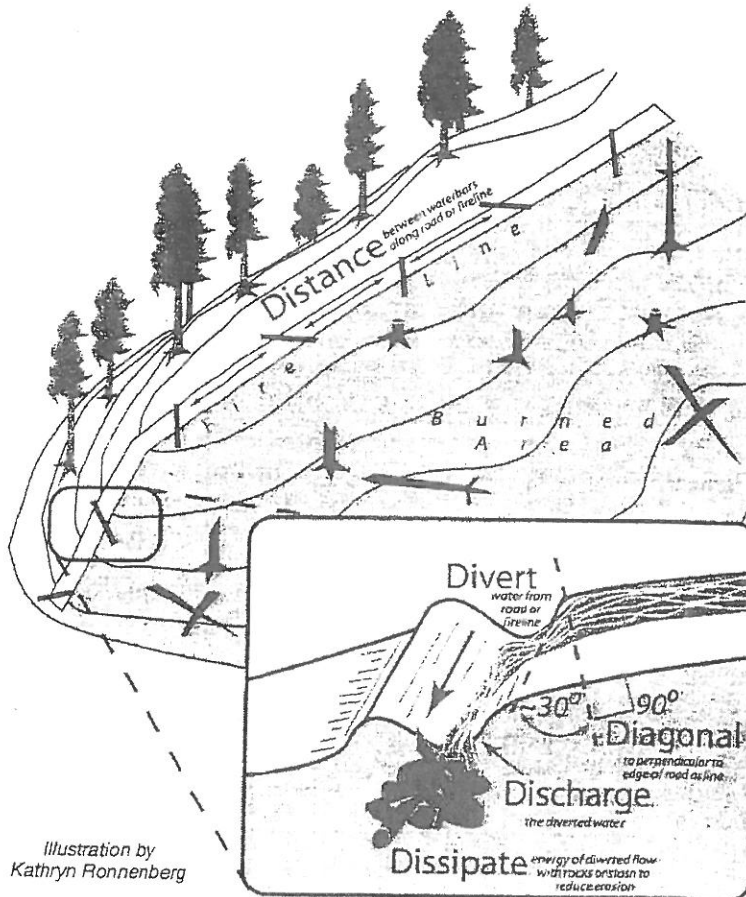
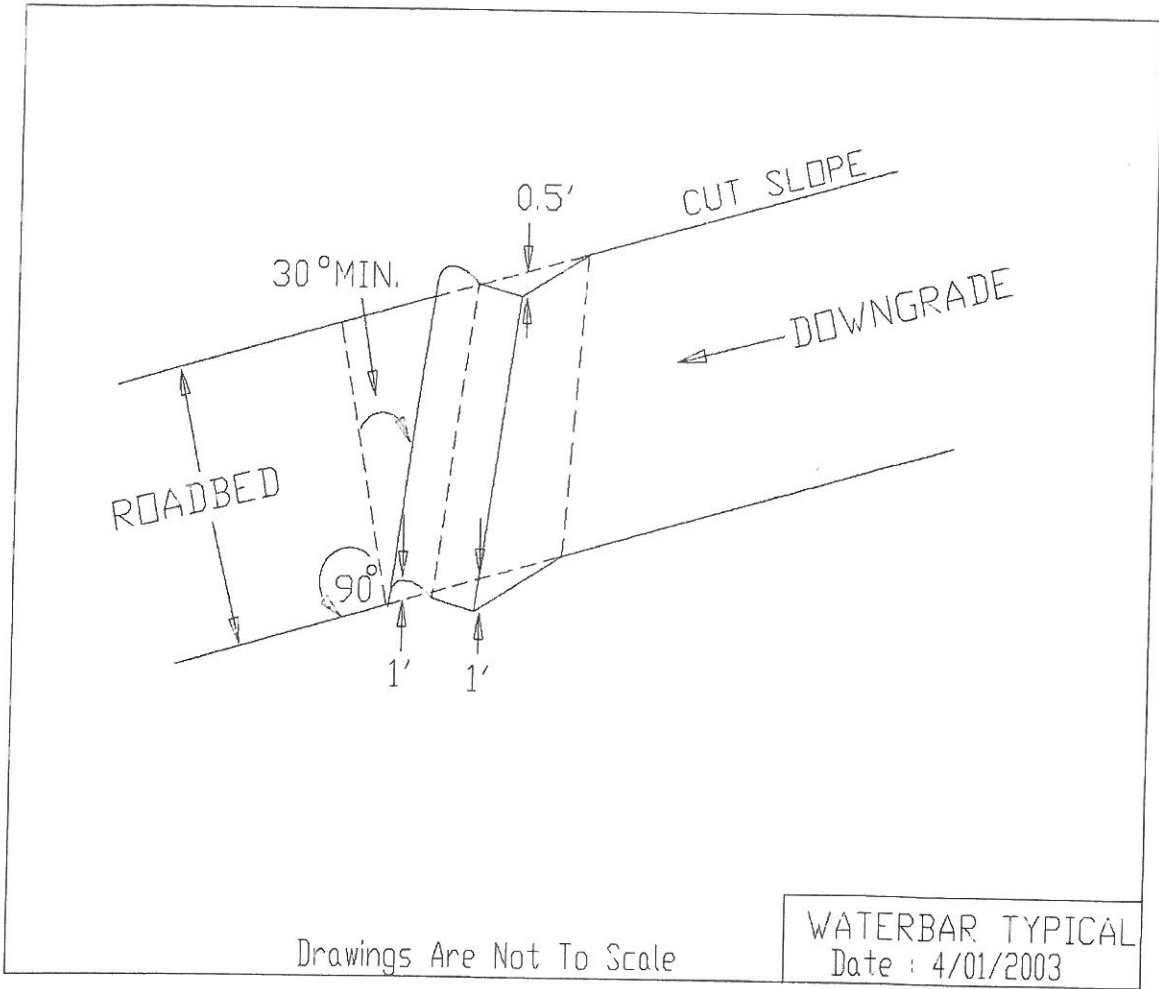


Illustration by  
Kathryn Ronnenberg



## 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				
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:		







