

**Nickowitz**  
**Incident Action Plan**  
**Monday, August 17, 2015**  
**0600 – 2000**

- ✓ **Heat Related Illness & Hydration**
  - **Know the Signs & Symptoms**
  - **Know how to Prevent**
  - **Refer to Heat Injury Prevention Guide in IAP**
  
- ✓ **Planning for Medical Emergencies**
  - **What are we going to do if someone gets hurt?**
  - **How will we get them out of here?**
  - **How long will it take to get them to a hospital?**
  
- ✓ **Refer to Medical Plan in IAP**
  - **Review page 2 in IRPG**


**CA – SRF– 001470 (0510) P5J0S5**  
**Six Rivers National Forest**  
**Northern California Incident Management Team 1**



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  - **Know the Signs & Symptoms**
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  - **What are we going to do if someone gets hurt?**
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  - **Review page 2 in IRPG**

**CA – SRE– 001470 (0510) P5J0S5**  
**Six Rivers National Forest**  
**Northern California Incident Management Team 1**

<b>INCIDENT OBJECTIVES</b>	<b>1. Incident Name</b> Nickowitz	<b>2. Date</b> 08/16/2015	<b>3. Time</b> 1300									
<b>4. Operational Period</b> August 17, 2015 DAY SHIFT												
<u><b>CONTROL OBJECTIVES</b></u> 1) Keep the Nickowitz Fire: <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> <u><b>MANAGEMENT OBJECTIVES</b></u> 1) Utilize a combination of direct and indirect tactics to provide for responder safety while minimizing responder exposure. 2) Engage tribal partners (Karuk and Yurok), agency partners and cooperators in management decisions to ensure timely communication and coordination. 3) Effectively manage cost by implementing strategies and tactics that have a high probability of success. 4) Emphasize operational safety through the Risk Management Process while protecting cultural and resource values and minimizing suppression impacts on the landscape. 5) Keep public informed with current and accurate fire information including all closures to assist in mitigating public safety concerns.												
<u><b>GENERAL SITUATIONAL AWARENESS</b></u> 1) Keep fire North & West of 14N02 preventing it from establishing in the 2008 Blue/Siskiyou Incident to avoid long duration, costly fire operations. 2) Keep fire North & West of the 13N01 road to protect a lookout tower, tree plantations and cultural values. 3) Keep fire from spreading west outside of wilderness area & getting established onto state DPA, tribal lands and private timber company lands.												
<b>6. Weather Forecast for Period</b> <ul style="list-style-type: none"> <li>• See attached weather forecast.</li> </ul>												
<b>7. General Safety Message</b> <ul style="list-style-type: none"> <li>• See attached safety messages.</li> </ul>												
<b>8. Attachments (mark if attached)</b>												
<table border="0"> <tr> <td><input checked="" type="checkbox"/> Organization List - ICS 203</td> <td><input checked="" type="checkbox"/> Medical Plan - ICS 206</td> <td><input checked="" type="checkbox"/> Weather</td> </tr> <tr> <td><input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204</td> <td><input checked="" type="checkbox"/> Incident Map</td> <td><input checked="" type="checkbox"/> ICS215a</td> </tr> <tr> <td><input checked="" type="checkbox"/> Communications Plan - ICS 205</td> <td><input checked="" type="checkbox"/> ICS 220</td> <td><input type="checkbox"/> Rehab Considerations</td> </tr> </table>				<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Weather	<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> ICS215a	<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> Rehab Considerations
<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 checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> Rehab Considerations										
<b>9. Prepared by (Planning Section Chief)</b> Walter Herzog		<b>10. Approved by (Incident Commander)</b> For: Jay Kurth 										

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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
2. Date August 16, 2015		3. Time 2130	Communications Unit	Rick Cartoscelli, Harold Reed (t)
4. Operational Period <b>Day Shift August 17, 2015</b>			Medical Unit	Josh Ramey, Clayton Thomas
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	Alec Lane
Liaison Officer	Kathy Hardy		Planning Ops	Dustan Mueller
Human Resources			a. Division/Groups – Day	
6. Agency Representative			Division/Group A	Jason Jones
Agency Administrator	Merv George		Division/Group B	Eric Dunnings
Agency Admin Rep	Nolan Colegrove		Division/Group C	Randy Jennings
Karuk Tribal Rep	Bill Tripp		Division/Group Z	Jack Sevelson
Yurok Tribal Rep	Richard Myers		Division/Group Contingency	Mark Vardenega
Heritage Consultant Coordinator	David Medford		Division/Group	
Lead READ	Paul Claeysens		Division/Group	
Heritage Resource Advisor	Alyson Kral		Division/Group	
			Division/Group	
			Division/Group	
			Division/Group	
			Division/Group	
			Division/Group	
			Division/Group	
7. Planning Section			b. Division/Groups - Night	
Chief	Walter Herzog		Division/Group B/C	Mike Klimek
Deputy	Dave Sinclear		Division/Group A/Z	Craig Robertson
Resources / Demob / Documentation / Status-Check-in Unit	Rita Mustatia Gary Deboi, Tanya Costello (t), Alan Taylor (t)		Division/Group	
Situation Unit	Tim Ritchey, Stephen Schumacher		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	Rico Gonzalez
Supply Unit	Richard Sheets, Dave Alicea (t)		Air Support Supervisor	Steve Beall, Jeff Dupras (t)
Ordering	Ron Pierce		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	Lou Ann Charbonnier
			Prepared by (Resource Unit Leader) Tanya Costello (t)	
			Approved by (Planning Section Chief) Walter Herzog	



<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>A</b>			
3. Incident Name <b>Nickowitz Fire</b>			4. Operational Period Date: August 17, 2015      Time: 0600- 2000					
5. Operations Personnel								
Operations Chief		Curt Lindstrand, Don Fregulia (†)		Division/Group Supervisor		Jason Jones		
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
HCT2 ODF CSR ENTERPRISE C-11		ERNEST OSBORNE		8/21	20	N	0700	2000
ENG6 GRAND RONDE #111 E-3		ANDREW PUERINI		8/21	3	N	0700	2000
WT1 HAYES EQUIPMENT E-89		MELISSA FIELDING		8/15	2	N	0700	2000
WT1 TT MASON VALLY E-61					1	N	0700	2000
FAL1 BR TREE SERVICE O-34		RON HAMMER		8/22	2	N	0700	2000
STEN O-60		STONER HARRIS		8/26	1	N	0700	2000
READ O-43 (Share DIV B)		PAUL CLAEYSSENS		8/24	1	N	0700	2000
FEMP O-55 (Share DIV Z)		PJ GOETZ		8/25	1	N	0700	2000
SOF2 O-88.55 (Share w/ all DIVS)		JIM MACKENSEN		8/28	1	N	0700	2000
SOF2 O-88.56 (Share w/ all DIVS)		JEFF BARNHART		8/28	1	N	1200	0200
HERITAGE CONSULTANT O-27		ALLEN STANSHAW		8/22	1	N	0700	2000
HERITAGE CONSULTANT O-28		PHILLIP COURTS		8/20	1	N	0700	2000
7. Control Operations Hold and improve existing control lines. Fall hazard trees along control lines where safe to do so.								
Special Instructions: Resource concerns contact Paul ClaeysSENS. READs / Heritage Consultants will monitor dozer operations. Water sources- Utilize Hines Creek and Beans camp existing draft sites. Avoid use of retardant except in cases of imminent danger to life. Utilize MIST in the wilderness. Incident ambulance and REMS Team staged in DP-6 area.								
9. Division Group Communication Summary								
Function		Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone	
Command		3	NIFC C12	173.0375N		167.3250N		
Command		4	NIFC C10	170.4125N		165.9625N		
Tactical		6	NIFC T6	166.7750N	127.3	166.7750N	127.3	
A/G Command		13	A/G CMD	164.8625N		164.8625N		
A/G Tactical		14	A/G TAC	169.8250N		169.8250N		
Prepared by (Resource Unit Leader) Rita Mustatia				Approved by (Planning Section Chief) Walter Herzog			Date August 16, 2015	

3

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>B</b>			
3. Incident Name <b>Nickowitz Fire</b>			4. Operational Period Date: August 17, 2015      Time: 0600- 2000					
5. Operations Personnel								
Operations Chief		Curt Lindstrand, Don Fregulia (†)		Division/Group Supervisor		Eric Duning		
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
KARUK #1 C-10		TAYLOR SUPER		8/25	20	N	0700	2000
ENG3 UPF #25 E-900		DUSTIN THOMPSON		8/23	5	N	0700	2000
ENG4 ROC-N-R WILDFIRE E-23		JIM LASALLE		8/19	3	N	0700	2000
ENG4 LITTLETON #741 E-76		BRANDON BOLE		8/28	4	N	0700	2000
WT2 WHITELOGGING E-92					1	N	0700	2000
WTS2 R. BROWN CONSTUCTION E-901					1	N	0700	2000
CHIP SKYLINE TREE WORK E-27		THOMAS NOVALSKY		8/21	2	N	0700	2000
TFLD C-6.2		TOMMY HAWKINS		8/20	1	N	0700	2000
READ O-43 (Share DIV A)		PAUL CLAEYSSSENS		8/24	1	N	0700	2000
SOF2 O-88.55 (Share w/ all DIVS)		JIM MACKENSEN		8/28	1	N	0700	2000
SOF2 O-88.56 (Share w/ all DIVS)		JEFF BARNHART		8/28	1	N	1200	0200
FEMP O-88.41		CLAYTON THOMAS		8/28	1	N	0700	2000
7. Control Operations								
Hold and improve existing control lines.								
Mop up where safe to do so.								
Be Prepared to burnout as directed by ops.								
Special Instructions:								
Resource concerns contact Paul Claeysens. READs / Heritage Consultants will monitor dozer operations.								
Water sources- Utilize Hines Creek and Beans camp existing draft sites. Notify READ if new location is needed.								
Avoid use of retardant except in cases of imminent danger to life.								
Incident ambulance and REMS Team staged in DP-6 area.								
9. Division Group Communication Summary								
Function		Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone	
Command		3	NIFC C12	173.0375N		167.3250N		
Command		4	NIFC C10	170.4125N		165.9625N		
Tactical		11	NIFC T7	168.2500N	127.3	168.2500N	127.3	
A/G Command		13	A/G CMD	164.8625N		164.8625N		
A/G Tactical		14	A/G TAC	169.8250N		169.8250N		
Prepared by (Resource Unit Leader) Rita Mustatia				Approved by (Planning Section Chief) Walter Herzog			Date August 16, 2015	

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<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 17, 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
HC1 MODOC IHC C-7		WILLIE ALMOND	8/22	19	N	0700	2000
ES3 S/T 3660 C E-85		CLAYTON BECK	8/26	27	N	0700	2000
ENG6 ARVADA FPD 58 E-75		TODD WEILER	8/26	3	N	0700	2000
ENG3 SRF 351 E-90		KEVIN REESE	8/27	5	N	0700	2000
DOZ2 JB LOGGING E-68 + TRANS.		MONTE HEART	8/28	2	N	0700	2000
DOZ2 FIGAS CONST. E-51		CEDRIC HAYDEN	8/26	1	N	0700	2000
MAST MULCHER MASTICATOR BOOM #1 E-36		KEN WILLARD	8/24	2	N	0700	2000
MAST MULCHER MASTICATOR BOOM #2 E-37		MARK PRICE	8/23	2	N	0700	2000
WT KEN'S WATER TENDER E-88		ANTHONY KNIGHT	8/28	1	N	0700	2000
FAL1 DOUG MCKELLER'S TREE O-33		TROY BENEKE	8/22	2	N	0700	2000
GOODWOOD FALLERS O-65		JIM GORDON	8/27	2	N	0700	2000
HEQB O-54		JOEL BARTLETT	8/17	1	N	0700	2000
HEQB O-57		COLBY HILL	8/27	1	N	0700	2000
HEQB O-62		QUIENCELL HUBBARD	8/28	1	N	0700	2000
7. Control Operations Hold and improve existing control lines. Prepare for burnout operations.							
Special Instructions: Resource concerns contact Paul Claeysens. READs / Heritage Consultants will monitor dozer operations. Water sources- Begin to use Bluff Dip Site to supplement Bean Camp. Notify READ if new location is needed. Avoid use of retardant except in cases of imminent danger to life. REMS Module and incident ambulance available from DP-6 REMS Mike and Gregg – BLS; Ambulance E-31 Mountain Medics Ambulance-ALS							
9. Division Group Communication Summary							
Function	Channel	Channel Name	RX Frequency N/W		RX Tone	TX Frequency N/W	TX Tone
Command	3	NIFC C12	173.0375N			167.3250N	
Command	4	NIFC C10	170.4125N			165.9625N	
Tactical	8	R5 TAC5	167.1125N		127.3	167.1125N	127.3
A/G Command	13	A/G CMD	164.8625N			164.8625N	
A/G Tactical	14	A/G TAC	169.8250N			169.8250N	
Prepared by (Resource Unit Leader) Tanya Costello (t)			Approved by (Planning Section Chief) Walter Herzog			Date August 16, 2015	

5

<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 17, 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 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
HEQB O-81	CHRIS KOTTKE	8/28	1	N	0700	2000
READ O-42	JEANNE DAWSON	8/27	1	N	0700	2000
READ	PIERARD		1	N	0700	2000
READ O-41	PATRICK LIESKE	8/24	1	N	0700	2000
READ O-56	JOHN HUNTER	8/27	1	N	0700	2000
FEMP O-88.41	CLAYTON THOMAS	8/28	1	N	0700	2000
SOF2 O-88.55 (Share w/ all DIVS)	JIM MACKENSEN	8/28	1	N	0700	2000
SOF2 O-88.56 (Share w/ all DIVS)	JEFF BARNHART	8/28	1	N	1200	0200
7. Control Operations Hold and improve existing control lines. Fall hazard trees along control lines where safe to do so. Mop up where safe to do so.						
Special Instructions: Resource concerns contact Paul Claeysens. READs / Heritage Consultants will monitor dozer operations. Water sources- Utilize Hines Creek and Beans camp existing draft sites. Notify READ if new location is needed. Avoid use of retardant except in cases of imminent danger to life. REMS Module and incident ambulance available from DP-6 REMS Mike and Gregg – BLS; Ambulance E-31 Mountain Medics Ambulance-ALS						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	3	NIFC C12	173.0375N		167.3250N	
Command	4	NIFC C10	170.4125N		165.9625N	
Tactical	8	R5 TAC5	167.1125N	127.3	167.1125N	127.3
A/G Command	13	A/G CMD	164.8625N		164.8625N	
A/G Tactical	14	A/G TAC	169.8250N		169.8250N	
Prepared by (Resource Unit Leader) Tanya Costello (t)		Approved by (Planning Section Chief) Walter Herzog			Date August 16, 2015	

6



<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>Z</b>		
3. Incident Name <b>Nickowitz Fire</b>		4. Operational Period Date: August 17, 2015 Time: 0600- 2000				
5. Operations Personnel						
Operations Chief	Curt Lindstrand, Don Fregulia (†)	Division/Group Supervisor	Jack Sevelson			
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
HC2 IA SALYER #3 C-4	DAVID VARON	8/22	19	N	0700	2000
HC2 IA NAVAJO SCOUTS #3 C-19		8/24		N	0700	2000
ENG 325	SHAFFER			N	0700	2000
ENG6 WHITEHEAD #11 E-30	MISTY HARDERMAN	8/30	3	N	0700	2000
WTS1 ORLEANS THORN E-91	TOM HORN	8/27	1	N	0700	2000
WTS2 KEN'S WT E-28	ALLEN MULKEY	8/19	1	N	0700	2000
HEQB O-83	PAUL ROGERS		1	N	0700	2000
TFLD O-72	GREG TENNYSON	8/21	1	N	0700	2000
TFLD O-101	TERRY WARLICK	8/29	1	N	0700	2000
TFLD O-64	BRANDON WOODWARD	8/28	1	N	0700	2000
TFLD (†)	ORLANDO GENAO		1	N	0700	2000
FAL1 NORTH ZONE FALLERS O-4	ERIC BROWN	8/25	1	N	0700	2000
READ O-43	PAUL CLAEYSSENS	8/28	1	N	0700	2000
ARCH O-47	ALYSON KRAL	8/28	1	N	0700	2000
EMPF O-55	PHILLIP GOETZ	8/25	1	N	0700	2000
SOF2 O-88.55 (Share w/ all DIVS)	JIM MACKENSEN	8/28	1	N	0700	2000
SOF2 O-88.56 (Share w/ all DIVS)	JEFF BARNHART	8/28	1	N	1200	0200
7. Control Operations Hold and improve existing control lines. Continue handline to DIV M/Z break.						
Special Instructions: Resource concerns contact Paul ClaeysSENS. READs / Heritage Consultants will monitor dozer operations. REMS Module and incident ambulance available from DP-6 REMS Mike and Gregg – BLS; Ambulance E-31 Mountain Medics Ambulance-ALS						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	3	NIFC C12	173.0375N		167.3250N	
Command	4	NIFC C10	170.4125N		165.9625N	
Tactical	9	NIFC T5	166.7250N	127.3	166.7250N	127.3
A/G Command	13	A/G CMD	164.8625N		164.8625N	
A/G Tactical	14	A/G TAC	169.8250N		169.8250N	
Prepared by (Resource Unit Leader) Tanya Costello (†)		Approved by (Planning Section Chief) Walter Herzog			Date August 16, 2015	

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>Contingency</b>			
3. Incident Name <b>Nickowitz Fire</b>		4. Operational Period Date: August 17, 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.					
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	
DOZ1 R. BROWN CONST. #1 E-25 + TRANS.	JAUQUIN GARRAZZO	8/20	2	N	0700	2000	
DOZ1 R. BROWN CONST. #2 E-32	GORDY WATKINS	8/22	1	N	0700	2000	
HEQB O-82	ROBERT JONES		1	N	0700	2000	
7. Control Operations Scout opportunities for contingency lines.							
Special Instructions:							
9. Division Group Communication Summary							
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone	
Command	3	NIFC C12	173.0375N		167.3250N		
Command	4	NIFC C10	170.4125N		165.9625N		
Tactical	10	NIFC T1	168.0500N	127.3	168.0500N	127.3	
A/G Command	13	A/G CMD	164.8625N		164.8625N		
A/G Tactical	14	A/G TAC	169.8250N		169.8250N		
Prepared by (Resource Unit Leader) Tanya Costello (t)		Approved by (Planning Section Chief) Walter Herzog			Date August 16, 2015		





# Spot Forecast for Nickowitz Fire

National Weather Service Eureka

619 PM PDT Sat Aug 15 2015

## .SUNDAY NIGHT...

DISCUSSION...AN UPPER RIDGE MOVING INTO THE AREA WILL CONTINUE A WARMING DRYING TREND ON SUNDAY. MONDAY THE FORECAST IS EXPECTED TO BE VERY SIMILAR TO SUNDAY. THIS RIDGE WILL INDUCE A THERMAL TROUGH WHICH IS FORECAST TO SHIFT OFFSHORE EACH OF THE NEXT COUPLE NIGHTS...RESULTING IN OFFSHORE WINDS MAINLY OVERNIGHT AT THE HIGHER ELEVATIONS.

AN APPROACHING UPPER TROUGH WILL MOVE THROUGH THE PACIFIC NORTHWEST STARTING TO IMPACT THE AREA ON TUESDAY. THIS WILL BRING LIGHTER WINDS AND BETTER RH RECOVERIES AS THE MARINE LAYER DEEPENS. CONFIDENCE IS LOW ON EXACTLY HOW THIS MARINE LAYER WILL GET AND IF IT WILL IMPACT THE FIRE. CONFIDENCE IS HIGHER THAT THE WINDS WILL DIMINISH. WEAK RIDGING IS EXPECTED TO RETURN LATE IN THE WEEK BRINGING ADDITIONAL OFFSHORE FLOW.

SKY/WEATHER.....CLEAR. SMOKE AND HAZE.  
MIN TEMPERATURE.....55 TO 65.  
MAX HUMIDITY.....30 TO 40 PERCENT RIDGES  
40 TO 55 PERCENT VALLEYS  
EYE LEVEL WINDS.....NORTHWEST WINDS 2 TO 5 MPH...SHIFTING TO THE  
NORTHEAST 5 TO 7 MPH AFTER MIDNIGHT.  
SURROUNDING RIDGE...NORTHWEST 5 TO 9 MPH BECOMING NORTHEAST 6 TO  
11 MPH WITH GUSTS TO 18 MPH.  
MIXING HEIGHT.....4000 FT AGL DECREASING TO 300 FT AGL LATE IN  
THE EVENING.  
MIXING WINDS.....NORTHEAST 21 MPH.  
WIND (20 FT).....NORTH WINDS 4 TO 8 MPH...SHIFTING TO THE  
NORTHEAST 6 TO 9 MPH WITH GUSTS UP TO 14 MPH  
AFTER MIDNIGHT.  
LAL.....1.  
CWR.....0 PERCENT.  
HAINES INDEX.....4

## .MONDAY...

SKY/WEATHER.....SUNNY. HAZE AND SMOKE IN THE AFTERNOON.  
MAX TEMPERATURE.....85 TO 95.  
MIN HUMIDITY.....20 TO 30 PERCENT.  
EYE LEVEL WINDS.....NORTHEAST WINDS 5 TO 7 MPH IN THE  
MORNING...BECOMING NORTHWEST 2 TO 5 MPH.  
SURROUNDING RIDGE...NORTHEAST 7 TO 10 MPH IN THE MORNING BECOMING  
NORTHWEST IN THE AFTERNOON. GUSTS UP TO 14 MPH  
IN THE MORNING.  
MIXING HEIGHT.....INCREASING TO 4500 FT AGL.  
MIXING WINDS.....NORTHEAST 16 MPH.  
WIND (20 FT).....NORTHEAST WINDS 6 TO 9 MPH WITH GUSTS UP TO 14  
MPH  
IN THE MORNING...BECOMING NORTHWEST 2 TO 5 MPH.  
LAL.....1.  
CWR.....0 PERCENT.  
HAINES INDEX.....5

## FIRE BEHAVIOR FORECAST

<b>FORECAST NUMBER:</b> 3	<b>TYPE OF FIRE:</b> Wildland Fire
<b>FIRE NAME:</b> Nickowitz	<b>OPERATIONAL PERIOD:</b> 8/17, 0600 to 2000
<b>DATE ISSUED:</b> 8/16/15	<b>TIME ISSUED:</b> 2000
<b>UNIT:</b> Six Rivers National Forest	<b>SIGNED:</b> /s/ John Wood FBAN

### INPUTS

**WEATHER SUMMARY:** An upper level ridge over the area will bring fairly consistent conditions to the area on Monday. Relative humidity will drop slightly due to the continued heat. This ridge will continue to bring offshore winds again late Sunday night with speeds similar to Saturday night in most areas. Relative humidity recoveries Monday morning are expected to be similar as well.

Expect maximum temperatures Valleys: 80-90 degrees. Minimum humidity, around 20-30%. Eyelevel 6-8 mph in the morning becoming northwest wind 2-5 mph. Ridges northeast 7-10 mph in the morning becoming northwest in the afternoon. Gusts up to 14 mph in the morning.

### OUTPUTS

**GENERAL:** This is mainly a fuels driven fire. The 1000 hour fuels are down to 10% and live fuel moistures are still high enough so they are not actively adding to fire spread and may have a slight heat sink effect as the fire reaches them. Single and group tree torching is possible in the understory vegetation. Do not expect to see crown runs under forecast conditions. The last few days of hot and dry weather has created conditions for even spread across the elevations of the fire. Look at local thresholds as starting points for trigger points, temp-82, RH- 31, wind speed 7 mph, and 1000 hours below 13%. Backing/Flanking rate of spread 1-2 ch/hr, flame lengths 1-3 feet. Head fire timber understory rate of spread 5-7ch/hr flame lengths 5-6 feet, timber litter rate of spread 3-4 ch, flame lengths 2-3 feet.

**ERC 54 BI 49**

#### **SPECIFIC:**

Fine fuel moisture 7% 1000 hr 10% Probability of ignition up to 50% unshaded Spot distance around 1/4 mile.

**Division A:** The fire will continue to burn through islands and re-burn potential may be present where low intensity backing fire burned under shrub and low canopy vegetation and small trees. Heavies will continue burning intensely as they consume.

**Division B:** Backing and flanking fire spread will continue as it works it way down into Nicowitz creek. Short runs are possible as roll out gets hot material into receptive fuels. Upslope or north winds could push embers across the "J" spur from fire activity close to the top of the ridge. The fire from the burn out is beginning to reach the drainage bottom. As fire backs down through the bowl east of Woodtick creek it should reduce the potential of a big run crossing the "J" spur.

**Division C:** Recent burnout has potential for spots as North winds establish when the inversion lifts in the early afternoon. Spotting up to a half mile may be possible in exposed areas at the ridge tops with peak gusts. Roll out may produce short runs as hot material lands in green fuels. Fire will continue to back down off of Soapstone ridge in to the north drainage. Where burn out and the main fire, come together expect a brief period of higher fire activity. Fire will continue to flank toward the 13N01E spur but progress will be slow as it moves North and East into Woodtick creek.

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

**Division Z:** The fire will continue to make steady progress as it flanks toward the west. Expect roll out down the hill to initiate runs back up the slope, the runs should be short lived. Down slope or north winds may help with spotting concerns but terrain winds will prevail in the afternoon, short range spotting will remain a concern. The southwest to northeast orientation of the drainages should help slow fire spread to the west and fire should continue to hang up as it backs in to Nickowitz creek. Strong east flow has potential to push fire across Nickowitz creek.

### AIR OPERATIONS

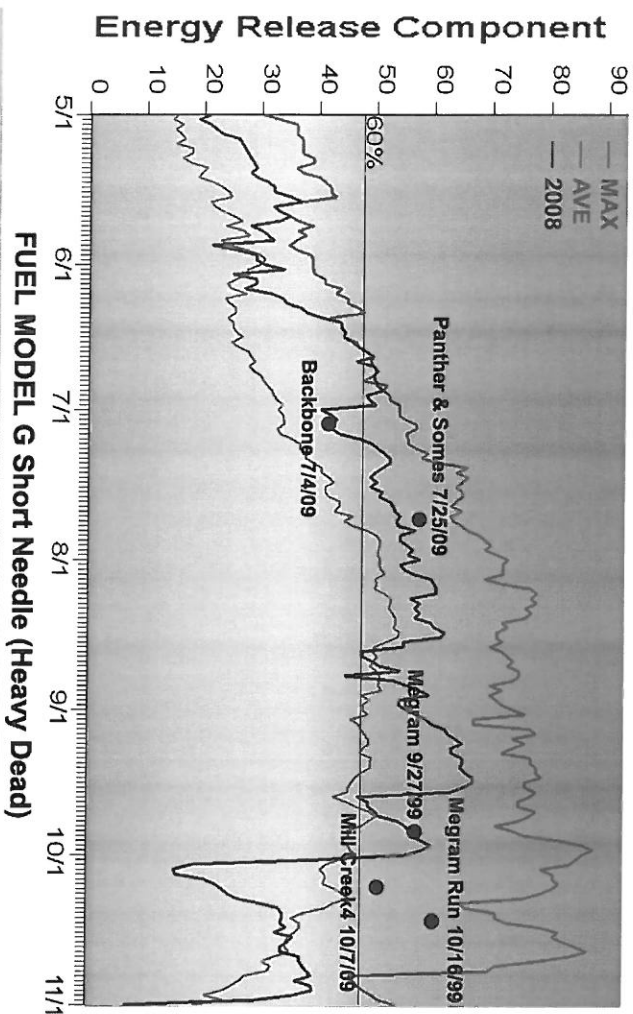
Hazy conditions as the shift begins as smoke from the complexes to the south of us add to the haze. Mixing heights are likely to diminish down to around 300 feet overnight. Expect the inversion to clear around 1300.

### Safety Message

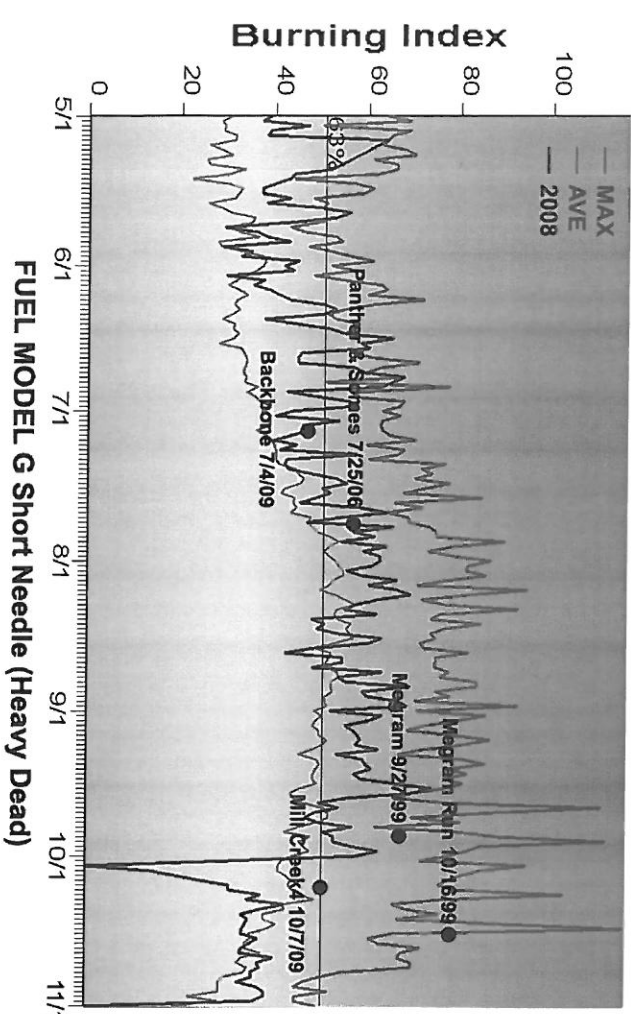
Sudden changes in fire behavior should be expected. Today is the third day of warm dry conditions. Plan for islands of preheated fuels and the potential for them to ignite quickly with slight changes and wind picks up, temperatures rise or relative humidity reaches day time lows.



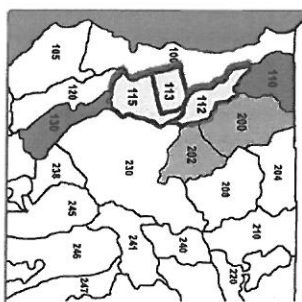
## Fire Danger Rating Areas 112/113/115 Energy Release Component



## Fire Danger Rating Areas 112/113/115 Burning Index



- Fire Danger Areas 112/113/115:
- \* 112 - Orleans Ranger District
  - \* 113 - Hoopa Indian Reservation
  - \* 115 - Lower Trinity Ranger District
  - \* NW CA - Region 5
- Weather Stations Used:
- \* 040404 Brush Mountain
  - \* 040408 Hoopa (NFDRS)
  - \* 040519 Underwood (NFDRS)



### Local Thresholds - WATCHOUT:

Combinations of any of these factors can greatly increase fire behavior: 20' Windspeed over 7 mph; RH less than 31%; Temperature over 82; 1000-hour Fuel Moisture less than 13. Large fires become more frequent when BI exceeds 50 and when ERC exceeds 47.

*Graph Interpretation, Energy Release Component:*  
Maximum = Highest ERC by day for 1979-2009  
Average = Shows Peak Fire Season  
60% = 60th Percentile means 60% of days observed had an ERC below 47.

### PAST EXPERIENCE / LOCAL KNOWLEDGE:

- Wildfires become a problem @ 50 acres on the Six Rivers NF due to topography, fuels, and accessibility. (\*Large fires=50 acres)
- Large fires become more frequent when 1000 hour fuel moistures drop below 13
- Large fires become more frequent when BI exceeds 50
- Large fires become more frequent when ERC exceeds 47
- High severity, past burn areas with heavy snag / dead and down lead to control problems. (Backbone was a result of this, as it started in the Megram fire area of 99)
- \* Afternoon winds in the Trinity River Drainage greatly influence fire behavior.
- \* Coastal fog observed from the Trinity Valley is a good indicator of strong down canyon winds in side drainages west of the river.
- \* Klamath River Canyon has very strong up-river winds daily, from the border near Weitchpec to the confluence with the Salmon River. Expect strong winds in the afternoon until sundown. Potential thermal belt up to approx. 2000'.

*Graph Interpretation, Burning Index:*  
Maximum = Highest BI by day for 1979-2009  
Average = Shows Peak Fire Season  
63% = 63rd Percentile means 63% of all days observed had a BI below 50.

# INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name

**NICKOWITZ CA-SRF-001 470**

Date/Time Prepared

08-16-15 1945

Operational Period Date/Time

0600-1800 08-17-15

**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	IA Command	SRFADM 5	ALL DIVISIONS	168.1250N		170.4750N	146.2	A	ORLEANS MTN (Tone 5)
2	IA Command	SRFADM 7	ALL DIVISIONS	168.1250N		170.4750N	167.9	A	UKONOM MTN (Tone 7)
3	COMMAND	NIFC C12	ALL DIVISIONS	173.0375N		167.3250N	127.3	A	BARREN BUTTE (NIFC C12)
4	COMMAND	NIFC C10	ALL DIVISIONS	170.4125N		165.9625N	127.3	A	ORLEANS MTN (NIFC C10)
5	TACTICAL	NIFC T2	<b>INITIAL ATTACK ONLY</b>	168.2000N		168.2000N		A	
6	TACTICAL	NIFC T6	DIVISION A	166.7750N	127.3	166.7750N	127.3	A	<b>NOTE: TX TONES ON ALL CHANNELS ARE HARD CODED</b>
7	TACTICAL	NIFC T3	UNASSIGNED	168.6000N	127.3	168.6000N	127.3	A	
8	TACTICAL	R5 TAC5	DIVISION C	167.1125N	127.3	167.1125N	127.3	A	<b>KEYPAD SELECTION NOT REQUIRED</b>
9	TACTICAL	NIFC T5	DIVISION Z	166.7250N	127.3	166.7250N	127.3	A	
10	TACTICAL	NIFC T1	CONTINGENCY GROUP	168.0500N	127.3	168.0500N	127.3	A	
11	TACTICAL	NIFC T7	DIVISION B	168.2500N	127.3	168.2500N	127.3	A	
12	NONE	NONE	UNASSIGNED					A	
13	AIG COMMAND	AIG CMD	ALL DIVISIONS	164.8625N		164.8625N		A	OR FOR INITIAL ATTACK, IF NEEDED(A-29)
14	AIG TACTICAL	AIG TAC	ALL DIVISIONS	169.8250N		169.8250N		A	(A-40)
15	CALCORD	CALCORD	ALL DIVISIONS	156.0750N	156.7	156.0750N	156.7	A	
16	URGENT AIR CONTACT	AIR GUARD	ALL DIVISIONS	168.6250N		168.6250N	110.9	A	USE ONLY FOR URGENT AIRCRAFT IF HAND PROGRAMMING USE TONE 1

Prepared by

Rick Cartoscelli, COML NorCal IMT 1

Incident Location

SIX RIVERS NATIONAL FOREST

ICS 205 - 2007H



# AIR OPERATIONS SUMMARY

Prepared By: Glenn Dietz

Prepared Date: 8/16/2015

Prepared Time: 2000

1. INCIDENT NAME: NICKOWITZ CA-SRF-1470	2. OPS PERIOD DATE: 8/17/2015	START TIME: 0700	END TIME: 2000	SUNRISE: 0623	SUNSET: 2015
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- I.A.-		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		AIR/AIR RW-FF	126.075		AIRTANKERS- Available in RDD, Cave Junction, Rhonerville
ASGS	Steve Beall		AIR/ AIR RW- FF	164.7500		LEAD PLANES-
ASGS(t)	Jeff Dupras		AIR TO GROUND COMMAND	164.8625		ATGS AIRCRAFT- AA-4QS (Rico Gonzalez)
ATGS	Rico Gonzalez	530-605-6376	AIR TO GROUND TACTICAL COMMAND	169.8250		
HLCO						SEE COMM PLAN
HEB2			DECK TOLC	163.1000		
						OTHER FW AIRCRAFT-

## 9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA #	T	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	FAA #	T	MAKE/ MODEL	BASE	AVAIL	START	REMARKS
H-503	3	Bell 407	Happy Camp HLB	1500	1500	20 minute flight	HT-702	1	S-61	Cave HB (Gasquet)	0730	0830	40 minute flight
H-502	2	Bell 205 A1++	Marble Mtn HLB	1100	1100	8 miles North of Somes Bar	512	2	Bell 212	Cave HB (Gasquet)	0730	0830	40 minute flight
							8MC	3	A-Star	Hoopla HB			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		
Water Dropping	As needed		

# MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name				2. Operational Period					
<b>NICKOWITZ FIRE</b>				Date/Time <b>8/17/15 0600-2000</b>					
3. Ambulance Services									
Name		Location		Phone & EMS Frequency		Advanced Life Support (ALS) Yes      No			
Mountain Medics – Incident Ambulance		DP-6 area		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									
Name		Phone		Type of Aircraft & Capability					
Reach / PHI	50 min eta	911 or 707-726-1266 (FICC)		Air Ambulance – Redding, CA Day/Night					
Calfire	15 min eta	911 or 707-726-1266 (FICC)		Hoist Rescue– Kneeland, CA					
CHP H-13 or 16	50 min eta	911 or 707-726-1266 (FICC)		ALS Hoist Rescue – Redding, 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		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	707-822-3621	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 – Josh Ramey				
		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	
Josh Ramey – MEDL <i>Joshua Ramey</i>				8/16/15 2000		Michele Tanzi <i>Michele Tanzi</i>		8/16/15 2000	



# 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 Fire - Incident Risk Analysis (215a), Day Shift

Div.	LCES Analysis of Tactical Applications (Hazardous Actions or Conditions)	LCES Mitigations/Warnings/Remedies
All	Driving	High speed traffic on 96. Use caution when entering & exiting ICP, side roads & crossing traffic lanes. Be aware of fire activity on the 13N01 & 14N02 rds Maintain good sight/reaction distance. <b>Headlights ON! Seatbelts ON! Expect the Unexpected!</b>
B, C	Burn Out Operations	<b>Know the plan!</b> Know who is in charge! Know your Escape Routes! Do the adjoining forces know the plan? <b>Review 6 min. for Safety</b>
All Personnel Includes ICP Personnel	Heat Related Illness/Injuries	<b>STAY HYDRATED!</b> Drink 3 waters to one electrolyte replacement drink. Consume no more than 12 qts. of fluid per 16hr shift with arduous activities on hot, dry days. Do not dilute electrolyte drinks. They are meant to be consumed as is for best utilization.
B, C	Spot Fires Possible	Keep eyes to the green. Probability of Ignition increasing due to warming and drying trend. Post experienced lookouts! Re-assess your escape routes often throughout the shift.
All	The "GO" Road (14N04) Also Known As "Eyesee Rd. & 13N01 & 14N02 Rds	Paved Road from ICP to 13N01. KEEP speeds reasonable. Expect oncoming traffic in your lane around corners. Soft shoulders on native surfaced roads. <b>13N01 road from DP8 to 96 is used only for escape route, not to access fire.</b> KEEP speeds down and drive defensively.
All	Extreme Fire Behavior	Preplan! Identify Trigger Points! How long will it take you to get back to your vehicles and exit the area safely? <b>Know your escape routes as the situations change.</b>
All	Difficult terrain and conditions for providing for emergency medical needs.	<b>Review Med Plan before the need arises.</b> Limit high risk activities. Have a backup plan AND don't depend solely on air resources. Practice the "What if" scenarios.
All	Danger Trees in Fire Area	<b>Fire weakened trees, shallow root systems, widow makers &amp; Drought weakened Green Trees.</b> Watch out when traveling during windy conditions. Limit exposure. Mitigate if safe. Use qualified fallers.
All	Personal Protective Equipment	Personnel are reminded to wear ALL PPE when in the fires perimeter. <b>Insure PPE is compatible with hazards and risks.</b>
All	Cliffs	Use extreme caution. <b>Give yourself room for recovery.</b> Ensure your footing. Avoid if possible. Choose alternate routes for accessing work areas
All	Hygiene	<b>Wash Hands prior to eating and after using the toilet facilities.</b> Clean out ice chests with soap, bleach & water.
All Personnel	Klamath River	Swift, cold, and dangerous. <b>Swimming/wading is not allowed!</b>
All	Wildlife	Watch for elk, deer and bear crossing roadways. Numerous sightings. <b>Especially active around Dusk &amp; Dawn</b>

Date & Time Prepared: August 16, 2015 @ 2100

Operational Period: August 17, 2015 from 0600 - 2000

Prepared By: Michele Tanzi - SOF1, Jeff Barnhart - SOF2, Jim Mackensen - SOF2

**CA-SRF-001470, P5J055 (0510)**

**Six Rivers National Forest**

Northern California Incident Management Team 1



## 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.

**Have Soldiers take cold showers after moderate and heavy work with category 3 and above at the end of the day. This will minimize cumulative thermal load.**

## 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

### 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
  - Increased exertional levels
  - 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
  - « Ephedra
- 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.

## Fluid Replacement and Work/Rest Guide

Heat Category	WBGT Index, °F	Easy Work		Moderate Work		Hard Work	
		Work/Rest	Water Intake (Q/H)	Work/Rest	Water Intake (Q/H)	Work/Rest	Water Intake (Q/H)
1	78° - 81.9°	NL	½	NL	¾	40/20 min	¾
2 (green)	82° - 84.9°	NL	¾	50/10 min	¾	30/30 min	1
3 (yellow)	85° - 87.9°	NL	¾	40/20 min	¾	30/30 min	1
4 (red)	88° - 89.9°	NL	¾	30/30 min	¾	20/40 min	1
5 (black)	> 90°	50/10 min	1	20/40 min	1	10/50 min	1

**Easy Work** = Walking on hard surface <30 lb. load. Weapon maintenance, Marksmanship training.  
**Moderate Work** = Patrolling. Walking in sand 2.5 mph no load, Calisthenics  
**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.





## 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	
<p><b>MORE COMMON SIGNS/SYMPTOMS</b></p> <ul style="list-style-type: none"> <li>Dizziness</li> <li>Headache</li> <li>Nausea</li> <li>Unsteady walk</li> <li>Weakness or fatigue</li> <li>Muscle cramps</li> </ul>	<p><b>IMMEDIATE ACTIONS</b></p> <ul style="list-style-type: none"> <li>Remove from training</li> <li>Allow casualty to rest in shade</li> <li>Take sips of water</li> <li>While doing the above, call for a Medic to evaluate the Soldier (Medic will monitor temperature and check for mental confusion)</li> </ul> <p><i>If no Medic is available call for ambulance or Medevac. Ensure same Trainer keeps monitoring the casualty.</i></p>
<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><b>Immediately call Medevac or ambulance for emergency transport while doing the following:</b></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 sips 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.**



## TRAINING SPECIALIST MESSAGE

### *Calling all trainees!!*

If you are here as a trainee and have not checked in with the Training Specialist please do so right away.

I am located at the ICP, in "Trailer Row".

Bring your Task Book and Red Card with you.

### *Training watch out:*

Your home unit sent you out as a trainee, and the position is not on your red card.



"The palest ink is better than the best memory". Chinese Proverb

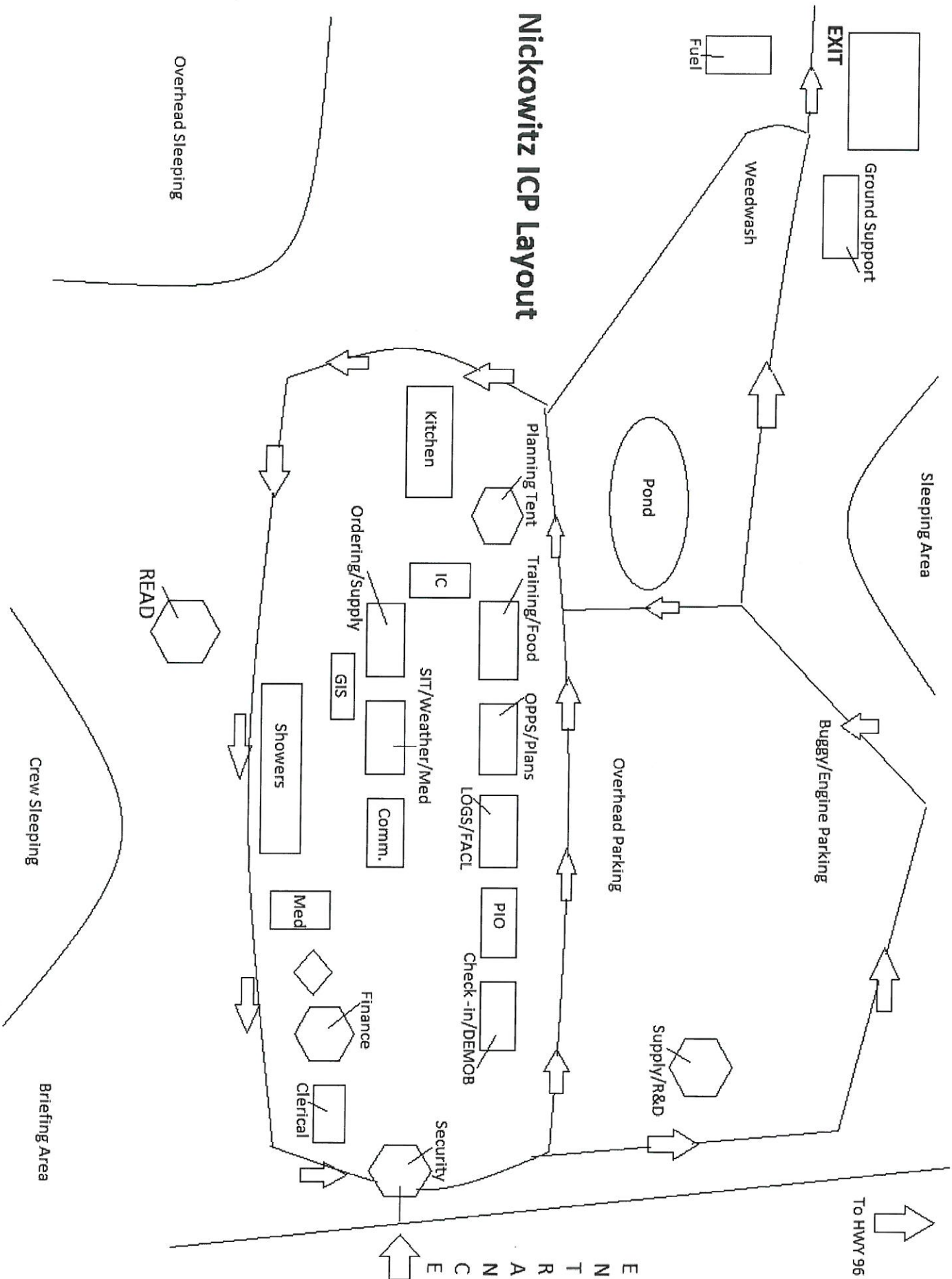
*Dominic Panno*  
*Incident Training Specialist*

## 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.





# Nickowitz ICP Layout

