

# Nickowitz

## Incident Action Plan

Sunday, August 23, 2015  
Day Shift 0600 - 2000

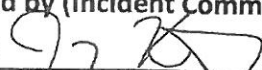


### Strategic Firing Operations

- **Defensive: Keeping Up With Fire Activity Before it Pushes Lines Hard.**
- **Offensive: Tactical Advantage to Putting Fire on Line as Weather and Fuels Conditions are Right.**
- **Safety is A Major Consideration of Both.**
- **Always Maintain L.C.E.S. and Know Weather Predictions.**

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



<b>INCIDENT OBJECTIVES</b>	<b>1. Incident Name</b> Nickowitz	<b>2. Date</b> 08/22/2015	<b>3. Time</b> 2000
<b>4. Operational Period</b> August 23, 2015 DAYSHIFT			
<u><b>CONTROL OBJECTIVES</b></u> <b>1) Keep the Nickowitz Fire:</b> <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> <b>1) Utilize a combination of direct and indirect tactics to provide for responder safety while minimizing responder exposure.</b> <b>2) Engage tribal partners (Karuk and Yurok), agency partners and cooperators in management decisions to ensure timely communication and coordination.</b> <b>3) Effectively manage cost by implementing strategies and tactics that have a high probability of success.</b> <b>4) Emphasize operational safety through the Risk Management Process while protecting cultural and resource values and minimizing suppression impacts on the landscape.</b> <b>5) Keep public informed with current and accurate fire information including all closures to assist in mitigating public safety concerns.</b> <u><b>GENERAL SITUATIONAL AWARENESS</b></u> <b>1) Keep fire South of 14N02 preventing it from establishing in the 2008 Blue/Siskiyou Incident to avoid long duration, costly fire operations.</b> <b>2) Keep fire North &amp; West of the 13N01 road to protect a tree plantations and cultural values.</b> <b>3) Keep fire from spreading west outside of wilderness area &amp; getting established onto state DPA, tribal lands and private timber company lands.</b>			
<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>			
<input checked="" type="checkbox"/> Organization List - ICS 203 <input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204 <input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> Medical Plan - ICS 206 <input checked="" type="checkbox"/> Incident Map <input type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> Weather <input checked="" type="checkbox"/> ICS215a <input type="checkbox"/> Rehab Considerations	
<b>9. Prepared by (Planning Section Chief)</b> Walter Herzog	<b>10. Approved by (Incident Commander)</b> Jay Kurth 		

ORGANIZATION ASSIGNMENT LIST			Facilities Unit	Frank DelCarlo, Jeff Huhtala, Richard Crowther (t)
1. Incident Name			Ground Support Unit	Harry Zabel, Mike Jellison, Kristen Lark (t)
<b>Nickowitz</b>			Communications Unit	Rick Cartoscelli, Harold Reed (t)
2. Date		3. Time	Medical Unit	Clayton Thomas, Leon Murhpy (t)
August 22, 2015		2000	Receiving & Distribution	Fred Johnson, Dion Nugent (t)
4. Operational Period			Security Manager	Mike Turner
<b>Day Shift August 23, 2015</b>			Food Unit	Jay Westlake, Mark McGuinness (t)
Position	Name		Equipment Manager	Mona Lake
5. Incident Commander and Staff				
Incident Commander	Jay Kurth		9. Operations Section	
Deputy	Kent Swartzlander		Day Operations	Curt Lindstrand, Don Fregulia (t)
Incident Commander (t)	Curtis Coots (t)		Night Operations	Alec Lane
Safety Officer	Michele Tanzi, Jeff Barnhart, Jim Mackenson		Planning Ops	Dustan Mueller
Information Officer	Phyllis Swanson, Barbara Rebiskie, Jane Laboa		a. Division/Groups - Day	
Liaison Officer	Kathy Hardy		Division/Group	A/B/Z Paul Johnson, Ray Dombroski (t)
Human Resources			Division/Group	C Randy Jennings, Brian Rogers (t)
6. Agency Representative				
Agency Administrator	Merv George		Division/Group	M Mark Vardenega
Agency Admin Rep	Nolan Colegrove		Division/Group	P Jeff Dupras
Karuk Tribal Rep	Bill Tripp		Division/Group	ROADS Mike Jellison, Kristen Lark (t)
Yurok Tribal Rep	Javier Kinney		Division/Group	ROADS Roberto Beltran
Heritage Consultant Coordinator	David Medford		Division/Group	
Yurok Cultural Advisor	Richard Myers		Division/Group	
Lead READ	Roberto Beltran		Division/Group	
Heritage Resource Advisor	Alyson Kral		Division/Group	
			Division/Group	
			Division/Group	
7. Planning Section				
Chief	Walter Herzog		c. Air Operations Branch	
Deputy	Dave Sinclear		Air Operations Branch Director	Glenn Dietz
Resources / Demob / Documentation / Status-Check-in Unit	Rita Mustatia Gary Deboi, Tanya Costello (t), Alan Taylor (t)		Air Attack Supervisor	Rico Gonzalez
Situation Unit	Tim Ritchey, Stephen Schumacher (t)		Air Support Supervisor	Steve Beall
Training	Dominic Panno		Helicopter Coordinator	
CTSP	George Steel		Air Tanker Coordinator	
GISS	Matt Dickinson, James Gonzalez, Amaria Crocoll (t)		10. Finance Section	
FBAN	John Wood		Chief	Lois Charlton, Wendy McCartney (t)
IMET	Joe Goudsward		Time Unit	
8. Logistics Section				
Chief	Ken Kump		Cost Unit	Kenny Lucien
Deputy	Brett Shurr		Compensation/Claims Unit	Debbie McIntosh
Supply Unit	Richard Sheets, Dave Alicea (t)		Equipment Time	Veronica Rasmussen, Lou Ann Charbonnier
Ordering	Ron Pierce, Josh Ramey (t)		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/Z (1 or 2)</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 23, 2015      Time: 0600- 2000				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor		PAUL JOHNSON, RAY DOMBROSKI (t)	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.		RICO GONZALEZ	
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
HC2IA KARUK #1 C-10	TAYLOR SUPER	8/25	20	N	0700	2000
HELI CREW 502 A-50	GRAVES / O'SHELL (t)	8/30	10	N	0700	2000
UMPQUA 25 E-137	DUSTIN THOMPSON	8/24	5	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	DAN COLEMAN	8/27	1	N	0700	2000
EXCAVATOR HAT CREEK E-98	KYLE PERE	8/28	1	N	0700	2000
EXCAVATOR WALBERG E-99	ANDREW BOLAYOG	9/3	1	N	0700	2000
CHIP SKYLINE E-27	SEAN BALDIVID	9/3	2	N	0700	2000
7. Control Operations Hold and patrol existing lines. Mop up where safe to do so. Burn out as necessary in DIV Z.						
8. Special Instructions: Medic 128 Incident Ambulance staged at DP6. Implement stage 1 suppression repair. Back haul trash and excess supplies. Water source: Utilize Hines Creek draft site. Bean Camp draft site for Roads Group use only. When drafting from Bean Camp, complete water use log. Avoid areas with red/white flagging.						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C10	170.4125N		165.9625N	127.3
Command	2	NIFC C12	173.0375N		167.3250N	127.3
Command	3	NIFC C68	173.5500N		165.7250N	127.3
Tactical	5	NIFC T7	168.2500N	127.3	168.2500N	127.3
A/G Command	9	A/G CMD	164.8625N		164.8625N	
Prepared by (Resource Unit Leader) Tanya Costello (t)		Approved by (Planning Section Chief) Walter Herzog			Date August 22, 2015	

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>A/B/Z (2 of 2)</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 23, 2015      Time: 0600- 2000				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor	PAUL JOHNSON, RAY DOMBROSKI (t)		
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.	RICO GONZALEZ		
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
TFLD O-101	TERRY WARLICK	8/29	1	N	0700	2000
TFLD (t) O-209	ERIK BORLAUG	9/2	1	N	0700	2000
HEQB O-83	PAUL ROGERS	8/29	1	N	0700	2000
FAL1 NORTH ZONE FALLERS O-4	ERIC BROWN	8/24	1	N	0700	2000
FAL1 NORTH ZONE FALLERS O-208	ROBERT FREEMAN	9/1	1	N	0700	2000
FEMP O-126	BILL CLARK	8/24	1	N	0700	2000
FEMP O-127	TYE DINGMAN	8/24	1	N	0700	2000
FEMP O-55	PJ GOETZ	8/25	1	N	0700	2000
FEMP O-195	DAN ZIMMERMAN	8/23	1	N	0700	2000
SOF2 O-71	JASON JONES	8/26	1	N	0700	2000
7. Control Operations Hold and patrol existing lines. Mop up where safe to do so. Burn out as necessary in DIV Z.						
8. Special Instructions: Medic 128 Incident Ambulance staged at DP6. Implement stage 1 suppression repair. Back haul trash and excess supplies. Water source: Utilize Hines Creek draft site. Bean Camp draft site for Roads Group use only. When drafting from Bean Camp, complete water use log. Avoid areas with red/white flagging.						
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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 22, 2015	

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>C 1 of 2</b>			
3. Incident Name <b>NICKOWITZ FIRE</b>			4. Operational Period Date: August 23, 2015      Time: 0600- 2000					
5. Operations Personnel								
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor		RANDY JENNINGS, BRIAN ROGERS (t)			
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor		RICO GONZALEZ			
6. Resources Assigned this Period								
Strike Team/Task Force/ Resource Designator		Leader		LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
ENG3 S/T 4177C E-104		DAVID INGRUM, JEFF NEUSOMBOM (t)		8/26	18	N	0700	2000
ENG3 S/T 3660 C E-85		CLAYTON BECK		8/26	26	N	0700	2000
ENG6 ARVADA FPD 58 E-75		TODD WEILER		8/26	3	N	0700	2000
DOZ2 JB LOGGING E-68		MONTE HEART		8/27	1	N	0700	2000
DOZ 1 R. BROWN CONST. #1 E-25		GARY CARTWRIGHT		8/30	1	N	0700	2000
MAST MULCHER #1 E-36		KEN WILLARD		8/23	2	N	0700	2000
WT1 LENAHAN E-108		TRISTAN HUEGEL		8/31	1	N	0700	2000
WT2 PETERS E-109		CODY WELDON		8/31	1	N	0700	2000
WT2 H&S E-110		HAROLD SHUMAN		8/31	1	N	0700	2000
WT1 R. BROWN E-113		STEVE DYE		8/31	1	N	0700	2000
WT2 PETER'S ENT. E-106		JESSE MORTON		8/31	1	N	0700	2000
WT1 CATTLELACK RANCH E-129		ERIC HEAD		8/30	1	N	0700	2000
7. Control Operations Hold and patrol existing lines. Mop up where safe to do so. Burn out as necessary in DIV Z.								
8. Special Instructions: Medic 128 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 22, 2015		

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>C 2 of 2</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 23, 2015      Time: 0600- 2000				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor	RANDY JENNINGS, BRIAN ROGERS (t)		
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor	RICO GONZALEZ		
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
FAL1 BR TREE O-34	RON HAMMER	8/22	2	N	700	2000
TFLD O-194	BRANDON WOODWARD	8/27	1	N	0700	2000
TFLD (t) O-95	ORLANDO GENAO	8/30	1	N	0700	2000
HEQB O-57	COLBY HILL	8/26	1	N	0700	2000
HEQB O-62	QUINCELL HUBBARD	8/27	1	N	0700	2000
HEQB O-82	ROBERT JONES	8/29	1	N	0700	2000
FEMP O-170 (Share w/ M)	JASON BEZEMER	8/31	1	N	0700	2000
FEMP O-129 (Share w/ M)	NICK CHAPIN	8/31	1	N	0700	2000
REMS TEAM O-17/ FEMP O-212 (Share w/ M)	MIKE MACINNES RICK BRACELIN		3	N	0700	2000
SOF2 O-88.55 (Share w/ M)	JIM MACKENSEN	8/28	1	N	0700	2000
SOFR (t) O-181 (Share w/ M)	CHRIS WOODS	9/1	1	N	0700	2000
7. Control Operations Hold and patrol existing lines. Mop up where safe to do so. Burn out as necessary in DIV Z.						
8. Special Instructions: Medic 128 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 22, 2015	



<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>M</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 23, 2015      Time: 0600- 2000				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor		MARK VARDENEGA	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.		RICO GONZALEZ	
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
FEMP O-170 (Share w/ C)	JASON BEZEMER	8/31	1	N	0700	2000
FEMP O-129 (Share w/ C)	NICK CHAPIN	8/31	1	N	0700	2000
REMS TEAM O-17 / FEMP O-212 (Share w/ C)	MIKE MACINNES RICK BRACELIN		3	N	0700	2000
SOF2 O-88.55 (Share w/ C)	JIM MACKENSEN	8/28	1	N	0700	2000
SOFR (t) O-181 (Share w/C)	CHRIS WOODS	9/1	1	N	0700	2000
7. Control Operations Continue to scout opportunities for control lines.						
8. Special Instructions: Medic 128 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 22, 2015	



<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>READS</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 23, 2015      Time: 0600- 2000				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND DON FREGULIA (t)		Lead READ		ROBERTO BELTRAN (0-7)	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.		RICO GONZALEZ	
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
TRIBAL REP O-902	RICHARD MYERS	9/4	1	N	0700	2000
TRIBAL REP O-2	BILL TRIPP	8/31	1	N	0700	2000
READ O-41 (DIV A, B, C)	PATRICK LIESKE	8/24	1	N	0700	2000
READ O-42 (DIV A, B, C)	JEANNE DAWSON	8/26	1	N	0700	2000
READ O-43 (DIV M, C)	PAUL CLAEYSSSENS	8/23	1	N	0700	2000
ARCH O-47 (DIV M, C)	ALYSON KRAL	9/3	1	N	0700	2000
FOBS O-204	MICHAEL MUCK	8/25	1	N	0700	2000
READ O-56 (DIV A, B, C)	JOHN HUNTER	8/26	1	N	0700	2000
READ O-147 (DIV C)	PHIL PIERARD	9/3	1	N	0700	2000
HERITAGE CONSULTANT O-202	FRANK DONAHUE	8/30	1	N	0700	2000
SITL (t) O-203	ERIC KROMER	8/31	1	N	0700	2000
7. Control Operations						
Special Instructions: Use appropriate Tactical Channel for each Division. Contact Division Supervisor when entering Division. Medic 128 Incident Ambulance staged at DP6.						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C10	170.4125N		165.9625N	127.3
Command	2	NIFC C12	173.0375N		167.3250N	127.3
Command	3	NIFC C68	173.5500N		165.7250N	127.3
Tactical						
A/G Command	9	A/G CMD	164.8625N		164.8625N	
Prepared by (Resource Unit Leader) Tanya Costello (t)			Approved by (Planning Section Chief) Walter Herzog		Date August 22, 2015	

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>ROADS</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: August 23, 2015      Time: 0600- 2000				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Group Supervisor		MIKE JELLISON, KRISTEN LARK (t)	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.		RICO GONZALEZ	
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
WT1 TT WATER TENDER E-112	KEVIN RICKEY	8/30	1	N	PER GROUP SUP.	PER GROUP SUP.
GRD KEN'S GRADER, INC E-53	ALLEN MULKEY	8/24	1	N	PER GROUP SUP.	PER GROUP SUP.
WT1 TT CONSTRUCTION E-6	CHRIS WILSON	8/30	1	N	PER GROUP SUP.	PER GROUP SUP.
WT1 LENAHAN E-111	CHUCK HUGHES	9/3	1	N	PER GROUP SUP.	PER GROUP SUP.
WT1 ALAN'S E-130	ALAN WHARFF	8/31	1	N	PER GROUP SUP.	PER GROUP SUP.
ECAMPUMP S-135	BUCK MACE	9/1	2	N	PER GROUP SUP.	PER GROUP SUP.
7. Control Operations						
Special Instructions: Roads Group use zone 1 channel 8 and motor logs radio.						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C10	170.4125N		165.9625N	127.3
Command	2	NIFC C12	173.0375N		167.3250N	127.3
Command	3	NIFC C68	173.5500N		165.7250N	127.3
Tactical						
A/G Command	9	A/G CMD	164.8625N		164.8625N	
A/G Tactical	10	A/G TAC	169.8250N		169.8250N	
Prepared by (Resource Unit Leader) Tanya Costello (t)			Approved by (Planning Section Chief) Walter Herzog		Date August 22, 2015	



## FIRE BEHAVIOR FORECAST

<b>FORECAST NUMBER:</b> 15	<b>TYPE OF FIRE:</b> Wildland Fire
<b>FIRE NAME:</b> Nickowitz	<b>OPERATIONAL PERIOD:</b> 8/23, 0600 to 2000
<b>DATE ISSUED:</b> 8/22/15	<b>TIME ISSUED:</b> 2000
<b>UNIT:</b> Six Rivers National Forest	<b>SIGNED:</b> /s/ John Wood FBAN

### INPUTS

**WEATHER SUMMARY:** Upper level high pressure will build into the region from the southeast with the center of the high over the Great Basin. Meanwhile, an upper level trough of low pressure will move into the northeast Pacific Ocean. The result will be a pronounced southwest flow that deepens as we progress through the week. Upper level impulses will eject out of this setup this afternoon and Monday afternoon as well. Although neither appear particularly strong, they may increase ridge top winds and help to lessen the impact of the inversion. A stronger upper system will come through overnight Tuesday and into early Wednesday but again only higher ridge top winds are expected.

Expect maximum temperatures below 3000 ft: 86-91 degrees above 3000 ft 81-86. Minimum humidity, Ridges 20-24% Valleys 16-20%. Ridges Southeast 5-9 mph becoming southeast. Valleys Upslope, up valley becoming west 2-6.

### OUTPUTS

**GENERAL:** Smokey conditions will persist as high pressure comes back in over the area. Fire activity will get dialed back a few degrees as smoke caps the fire area. Southwest forecast wind may work to emphasize the effect of the marine layer and it may be effective in pushing cooler moist air farther up the Nickowitz creek drainage under forecast winds. The greatest effect may be seen on the northwest corner as it is the most exposed to the Blue Creek drainage. The most significant effect of the marine influence will be in light fuels and will help lower fire spread and may create poor conditions for ignitions until fuels dry to daily lows. Dry heavy fuels will continue to be the main driver of fire activity, they are at their lowest levels seasonally. Shorter daylight period will begin to have an overall effect on burning conditions as we lose minutes of sunshine a day. Marine influence will begin to persist especially in the heavier fuels.

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

ERC 49 BI 43

#### **SPECIFIC:**

Fine fuel moisture 6% 1000 hr 10% Probability of ignition up to 65% unshaded Spot distance just under a 1/4 mile.

**Division A:** No fire behavior expected.

**Division B:** Some heavies holding heat.

**Division C:** Southwest flow will bring smoke from other fires in the area over our fire and continue shading the activity in Soapstone Gulch. Because of the proximity to the ocean, southwest flow may help emphasize the effect from marine influence. The main fire will continue westward spread, topography will be the main determinant in spread direction.

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

**Division Z:** Expect up slope winds to be stronger as southwest wind may find a path into the topography along the west handline. Marine layer influence and better recoveries will help to slow movement early in the shift as moisture recovery is driven off. This same effect may create poor ignition operations conditions until leaf litter moisture content rises above 35%. Fire spread of the main fire will be slowed with forecast winds as backing and flanking will be into the wind.

### AIR OPERATIONS

Expect smokey conditions throughout the shift, slight clearing is possible in the late afternoon.

### Safety Message

After weeks of burning there are many overhead hazards from fire weakened trees. Many trees continue to have fire burning in rotten areas, lichen and litter piled in branch intersections that continue to be weakened. Think about the potential for gravity hazards, especially on steep slopes.

# INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name

**NICKOWITZ CA-SRF-001470**

Date/Time Prepared

08-22-15 1915

Operational Period Date/Time

0600-1800 08-23-15

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

Radio programmers accept all responsibility for the use of unauthorized frequencies.

Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	COMMAND 1	NIFC C10	ALL DIVISIONS	170.4125N		165.9625N	127.3	A	ORLEANS MTN
2	COMMAND 2	NIFC C12	ALL DIVISIONS	173.0375N		167.3250N	127.3	A	NICKOWITZ PEAK
3	COMMAND 3	NIFC C68	ALL DIVISIONS	173.5500N		165.7250N	127.3	A	BARREN BUTTE
4	TACTICAL	NIFC T5	UNASSIGNED	166.7250N	127.3	166.7250N	127.3	A	
5	TACTICAL	NIFC T7	DIVISION A/B/Z	168.2500N	127.3	168.2500N	127.3	A	
6	TACTICAL	R5 TAC5	DIVISION C	167.1125N	127.3	167.1125N	127.3	A	
7	TACTICAL	NIFC T1	DIVISION M	168.0500N	127.3	168.0500N	127.3	A	
8	TACTICAL	NIFC T3	DIVISION P	168.6000N	127.3	168.6000N	127.3	A	
9	AIG COMMAND	AIG CMD	ALL DIVISIONS	164.8625N		164.8625N		A	
10	UNASSIGNED	AIG TAC	UNASSIGNED						(A-40 RELEASED 8/22/15)
11	IA COMMAND	SRFFOR5	IA COMMAND	168.7250N		170.1250N	146.2	A	ORLEANS MOUNTAIN
12	IA COMMAND	SRFFOR7	IA COMMAND	168.7250N		170.1250N	167.9	A	UKONOM MOUNTAIN
13	AIR-TO-GND IA	AIG 43	FOREST IA ONLY	167.6000N		167.6000N		A	
14	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 Cortoscelli, COM1 NorCal IMT 1

Incident Location

SIX RIVERS NATIONAL FOREST

# AIR OPERATIONS SUMMARY

Prepared By: Glenn Dietz

Prepared Date: 8/22/2015

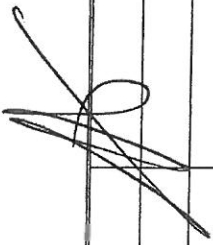
Prepared Time: 2000

1. INCIDENT NAME: <b>NICKOWITZ (CA-SRF-1470)</b>	2. OPS PERIOD DATE: <b>8/23/2015</b>	START TIME: <b>0700</b>	END TIME: <b>2000</b>	SUNRISE: <b>0631</b>	SUNSET: <b>2003</b>
3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): Helicopters are being shared from the Gasquet Complex. Please use A/G Command for briefings, utilize A/G Tactical for tactical helicopter communications. Be aware of terrain influenced winds & wires crossing the Klamath River watershed.					
4. READY ALERT AIRCRAFT MEDEVAC: H-503 ****CALCORD TONE 6**** INITIAL ATTACK: H-502			5. TFR #: 5/3284 Altitude- 9000' MSL Polygon		

6. PERSONNEL	NAME	PHONE #	7. FREQUENCIES	AM	FM	8. FIXED-WING- Type/ Make-Model/ N#/ Base
AOBD	Glenn Dietz	ICP: 530-627-3491 Cell: 530-227-0017	AIR/AIR RW-FF	126.075		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			
			MEDIVAC ON CALCORD		156.0750	
9. HELICOPTERS (Use Additional Sheets as Necessary)						
					156.0750	OTHER FW AIRCRAFT.

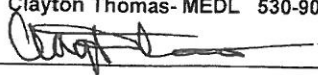
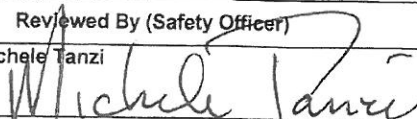
FAA N#	T	MAKE/MODEL	BASE	AVAIL	START	REMARKS	FAA N#	T	MAKE/MODEL	BASE	AVAIL	START	REMARKS
H-503	3	Bell 407	Marble HLB	0700	0800	Pax, Bucket, PSD, Recon							
H-502	2	Bell 205 A1	Marble HLB	0700	0800	Pax, Bucket, Ext. Load							
							H-8MC	3	A-Star	Hoopla HLB			Call AOBD if needed.

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				MISSION START	FLY FROM	FLY TO
Recon	As needed, order through AOBD.						
Water Dropping	As needed, order through AOBD.						





# MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name		2. Operational Period					
<b>NICKOWITZ FIRE</b>		Date/Time <b>8/23/15 0800-2000</b>					
3. Ambulance Services							
Name	Location	Phone & EMS Frequency	Advanced Life Support (ALS) Yes      No				
Medic 31 – Incident Ambulance	Incident Base	Contact on Command or 530-925-5232	X				
Medic 128- Incident Ambulance	Staged at DP-6	Contact on Command or 928-521-0775	X				
Hoopa Ambulance	1200 Airport Rd. Hoopa, CA	911 or 707-726-1266	X				
4. Air Ambulance Services (COORDINATE with AIR AMBULANCES on CALCORD tone 6)							
Name	Phone	Type of Aircraft & Capability					
H-502 & H-503	Contact on Command	Marble Helibase					
Reach / PHI      50 min eta	911 or 707-726-1266 (FICC)	Air Ambulance – Redding, CA Day/Night					
Calfire      15 min eta	911 or 707-726-1266 (FICC)	Hoist Rescue– Kneeland, CA					
Coast Guard      Up to 1:15 hr eta	911 or 707-726-1266 (FICC)	Hoist Rescue – Eureka, CA					
CANG 825      50 min eta	911 or 707-726-1266 (FICC)	ALS Hoist Rescue – Redding, CA Day/Night					
5. Hospitals							
Name & Level	GPS Datum – WGS 84 Degrees Decimal Minutes		Travel Time Air      Gnd		Phone	Helipad Yes      No	Address
St. Joseph Hospital	Lat:	N40°47.02	30 min	2 hrs	707-445-8121	X	2700 Dolbeer, Eureka, CA
	Long:	W124°08.48					
	VHF:						
Mad River Hospital	Lat:	N40°53.45	25 min	2 hrs	707-826-8264 ext.1	X	3800 Janes Rd. Arcata, CA
	Long:	W124°05.25					
	VHF:						
Shasta Regional Medical Center	Lat:	N40°35.08	55 min	3 hrs	530-244-5353	X	1100 Butte, Redding, CA
	Long:	W122°23.25					
	VHF:						
UC Davis Level I Trauma/Burn Center	Lat:	N38°33.17	1.5 hrs	6 hrs	916-734-3636 916-734-3790	X	2315 Stockton Blvd. Sacramento, CA
	Long:	W121°27.05					
	VHF:						
6. Division / Crew Pre-plan. Update and discuss with assigned resources daily							
Crew EMTs & Equipment							
Fireline EMTs & Location Adv. Life Support?							
Air Hoist site: Lat: / Long:							
Helispot: Lat: / Long:							
H-1 N41°29.342 x W123°39.013				H-3 N41°28.077 x W123°47.346			
H-2 N41°23.544 x W123°45.396				Other:			
Alternate no-fly plan:							
7. Remote Aid Stations							
Nickowitz Medical Unit– ICP Orleans N41°18.518 W123°31.511		Point of Contact:		MEDL – Clayton Thomas 530-906-6964			
		EMS Responders & Capability:		Frontline Medical – Advanced Life Support			
		Equipment Available on Site:		Medical supplies			
		Ambulance ETA :		Air – 55 min.      Ground – 35 min.			
8. Prepared By (Medical Unit Leader)			9. Date/Time		10. Reviewed By (Safety Officer)		11. Date/Time
Clayton Thomas- MEDL 530-906-6964 			8/22/15 1930		Michele Tanzi 		8/22/15 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> Life threatening injury or illness. Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented.	Ambulance or MEDEVAC helicopter. Evacuation need is <b>IMMEDIATE.</b>
<input type="checkbox"/> <b>PRIORITY-YELLOW</b> Serious Injury or illness. Ex: Significant trauma, not able to walk, 2° – 3° burns not more than 1-2 palm sizes.	Ambulance or consider air transport if at remote location. Evacuation may be <b>DELAYED.</b>
<input type="checkbox"/> <b>ROUTINE-GREEN</b> Not a life threatening injury or illness. Ex: Sprains, strains, minor heat-related illness.	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 23, 2015**

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	<p align="center"><b>Medical Emergencies</b></p>	<ul style="list-style-type: none"> <li>~ Review, understand and discuss with your resources the Medical Plan in the IAP.</li> <li>~ <b>Develop Division/Crew Pre-Plan in block #6 on the Medical Plan and fill in necessary information to assist you with an Incident within an Incident.</b></li> <li>~ Base all operational decisions and activities on these 3 questions:               <ol style="list-style-type: none"> <li>1.) What are we going to do if someone gets hurt?</li> <li>2.) How will we get them out of here?</li> <li>3.) How long will it take to get them to a hospital?</li> </ol> </li> <li>~ If the answers are insufficient, stop, re-assess and consider alternate strategies and tactics.</li> <li>~ <b>Have Alternate plan in place when aircraft is grounded due to visibility issues.</b></li> <li>~ If air or ground ambulance is delayed: package and transport patient to rendezvous with incoming ambulance.</li> <li>~ Re-route EMS helicopter to rendezvous point as appropriate</li> <li>~ Review page 2 in IRPG 2014 for briefing subordinates.</li> <li>~ If Night extraction by Air Ambulance with Hoist capabilities and NVG (Night Vision Goggles) is required, the following will assist in a smooth extraction.               <ul style="list-style-type: none"> <li>* <u>Minimum</u> of a 20' x 20' clearing</li> <li>* 3 GREEN "ChemLights" placed on edges of clearing forming a triangle to assist pilot in visual horizon.</li> <li>* Turn ALL headlamps and vehicle lights OFF</li> <li>* Communicate with Air Ambulance on CALCORD tone 6</li> </ul> </li> <li>~ <b>Be aware of Rotor Wash &amp; its effect on Fire behavior when the extraction point is next to an active fire edge.</b> <ul style="list-style-type: none"> <li>• <b>If possible, MOVE patient to an area with less fire activity</b></li> </ul> </li> </ul>
ALL	<p align="center"><b>Smoke Exposure</b></p>	<ul style="list-style-type: none"> <li>• Inhaling smoke for a short time can cause immediate (acute) effects. Smoke is irritating to the eyes, nose, and throat, and its odor may be nauseating. It can aggravate a lung condition known as asthma. <b>Refer to Medical Plan and contact your Division if you have difficulty breathing.</b></li> <li>• Inhaling carbon monoxide decreases the body's oxygen supply. This can cause headaches, reduce alertness, and aggravate a heart condition known as angina. <b>Refer to Med Plan and contact your Division if you have chest pain.</b></li> <li>• <b>Rotate crews out of the thickest concentrations of smoke. Utilize patrols in vehicles with flashers on through these areas to check fire line when possible.</b></li> </ul>
ALL	<p align="center"><b>Communications</b></p>	<ul style="list-style-type: none"> <li>• <b>Ensure you have received the most current communications plan, and your radios have been cloned to it before heading out to your work area.</b></li> <li>• TEST your radio before you leave camp to ensure you have comms, and then TEST again when you arrive at your work area.</li> <li>• <b>Use human repeaters in areas with sketchy comms.</b></li> <li>• Refer to the 5 communication responsibilities listed on page ix in the 2014 IRPG</li> </ul>
ALL	<p align="center"><b>Driving Hazards</b></p>	<ul style="list-style-type: none"> <li>• Shift changes &amp; congestion on roadways. On one way roads, contact outgoing resources on the radio. Wait till those resources have moved pass you, and then proceed to assigned area.</li> <li>• Roads within the burned areas have MANY hazards. Scout prior to committing travel through these areas. Mitigate if capable OR close road entirely until hazards have been mitigated.</li> <li>• Washboard conditions are common on most of the native surface roads. Maintain adequate following distances. <b>Reduce speed in Developed Areas.</b> Be watchful of local traffic &amp; pedestrians.</li> <li>• Get out of your vehicle and look before backing and/or use backers.</li> <li>• Maintain driving situational awareness.</li> <li>• <b>SEAT BELTS ON...LIGHTS ON...BEFORE wheels turn!</b></li> <li>• <b>Reduce driving speeds to allow for reaction time lag.</b></li> <li>• On dusty/smoky roads, don't follow too closely behind traffic. Allow time for dust/smoke to clear.</li> <li>• Establish one-way traffic or coordinate traffic flow if necessary.</li> <li>• Drive Defensively! <b>Expect the unexpected around every curve.</b></li> <li>• Don't drive when fatigued. Adhere to agency driving regulations and guidelines.</li> </ul>
C, Z	<p align="center"><b>Fire Behavior</b></p>	<ul style="list-style-type: none"> <li>• <b>Ensure a solid anchor point and flank.</b></li> <li>• <b>Use experienced LOOKOUTS under these conditions.</b></li> <li>• Monitor weather conditions. Be aware of visual indicators (clouds, WX obs., cold front passage)</li> <li>• Maintain adequate escape routes and safety zones. Set trigger points when appropriate. Communicate any changes.</li> <li>• Spotting Potential still exists...up to ¼ mile. "Eyes to the green"</li> <li>• <b>Fine Fuel Moisture @ 7%. 1000hr fuels @ 10%. Probability of Ignition@ 70% during daylight</b></li> </ul>
C, Z	<p align="center"><b>Aircraft Operations till 2000</b></p>	<ul style="list-style-type: none"> <li>• Review and discuss Aviation Watch Out Situations listed in IRPG pg 44</li> <li>• Ensure the mission is necessary</li> <li>• Ensure resources are clear of "Target Area" during bucket or retardant use.</li> <li>• Use air-to-ground tactical frequency to communicate with aircraft.</li> <li>• Use clear, concise statements when directing aircraft. Use clock directions from pilot's perspective and mirror flashes.</li> <li>• Evaluate risk vs gain for each mission/target</li> <li>• Ensure use of qualified personnel when involved with longline operations.</li> <li>• Keep non-essential personnel away from dip sites (natural and/or man made)</li> <li>• Ensure personnel receive a passenger briefing prior to flight.</li> <li>• <b>Use aerial Supervision and maintain separation.</b></li> </ul>

**Nickowitz INCIDENT RISK ANALYSIS (215a)  
Day Shift, August 23, 2015**

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 falling operations.</li> <li>• Scout work area for overhead hazards to ensure safe work areas.</li> <li>• <b>Mitigate using qualified personnel only.</b></li> <li>• Re-assess the need to eliminate the hazard by felling if it is feasible to keep personnel away</li> <li>• If unable to mitigate hazard, <b>Flag Off area, communicate the location &amp; keep personnel away.</b></li> <li>• Review pages 22, 23 &amp; 79 in 2014 IRPG</li> </ul>
ALL	<b>Hydration &amp; Heat Illness</b>	<ul style="list-style-type: none"> <li>• <b>Pre-hydrate, Re-hydrate! Dehydration is preventable.....Drink a <u>minimum</u> of 250ml/hour; (¼ of canteen)</b></li> <li>• Drink water &amp; Electrolyte drinks before, during, and after shifts. (2 waters to 1 sports drink).</li> <li>• <b>Do NOT mix with water</b> or dilute electrolyte drink. It must be consumed as is for the body to absorb properly.</li> <li>• <b>Low volumes of dark, concentrated urine or painful urination indicate a serious need for rehydration, &amp; medical attention.</b></li> <li>• Ensure your crews take an adequate water/electrolyte supply out to assignment and order more as needed. Take frequent snack breaks to keep blood sugar levels up.</li> <li>• Pace work to avoid heat injuries</li> <li>• Heat exhaustion is characterized by: Weakness, Extreme Fatigue, Nausea, Dizziness &amp; Headaches, clammy skin, persistent muscle cramps, decreased urine output.             <ul style="list-style-type: none"> <li>○ <b>Cool patient as quickly as possible!</b></li> <li>○ Move patient to a cooler location and provide cold water and sports drink.</li> <li>○ Actively reduce core temperature through evaporation by fanning patient.</li> <li>○ Remove Patient from fireline and seek medical attention</li> <li>○ Cover head and neck with wet cloth, increase air movement.</li> <li>○ Heat exhaustion is characterized by: Weakness, Extreme Fatigue, Nausea, Dizziness, Headaches, clammy skin, persistent muscle cramps, and decreased urine output.</li> <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 <b>EMS care and Evacuation</b></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>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: <p align="center"><b>August 22, 2015</b></p>
		TIME PREPARED: <b>2100 HOURS</b>
		OPERATIONAL PERIOD <b>Day Shift</b> <b>8/23/2015, 0600 - 2000</b> Prepared by: Tanzi – SOF1, Barnhart – SOF2, Mackensen – SOF2

## Exposure to Smoke from Fires

The smoke released by any type of fire (forest, brush, crop, structure, tires, waste or wood burning) is a mixture of particles and chemicals produced by incomplete burning of carbon-containing materials. All smoke contains carbon monoxide, carbon dioxide and particulate matter (PM or soot). Smoke can contain many different chemicals, including aldehydes, acid gases, sulfur dioxide, nitrogen oxides, polycyclic aromatic hydrocarbons (PAHs), benzene, toluene, styrene, metals and dioxins. The type and amount of particles and chemicals in smoke varies depending on what is burning, how much oxygen is available, and the burn temperature.

Exposure to high levels of smoke should be avoided. Individuals are advised to limit their physical exertion if exposure to high levels of smoke cannot be avoided. Individuals with cardiovascular or respiratory conditions (e.g., asthma), fetuses, infants, young children, and the elderly may be more vulnerable to the health effects of smoke exposure.

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. Studies have shown that some people exposed to heavy smoke have temporary changes in lung function, which makes breathing more difficult. Two of the major agents in smoke that can cause health effects are carbon monoxide gas and very small particles (fine particles, or PM<sub>2.5</sub>). These particles are two and one half (2.5) microns or less in size (25,400 microns equal an inch) and individual particles are too small to be seen with the naked eye.

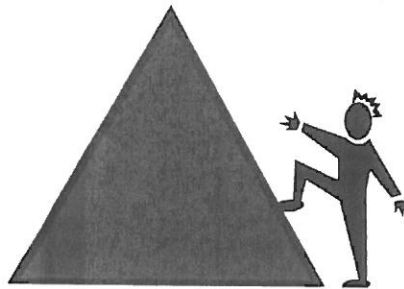
Inhaling carbon monoxide decreases the body's oxygen supply. This can cause headaches, reduce alertness, and aggravate a heart condition known as angina. Fine particles are able to travel deeply into the respiratory tract, reaching the lungs. Inhaling fine particles can cause a variety of health effects, including respiratory irritation and shortness of breath, and can worsen medical conditions such as asthma and heart disease. During increased physical exertion, cardiovascular effects can be worsened by exposure to carbon monoxide and particulate matter. Once exposure stops, symptoms from inhaling carbon monoxide or fine particles generally diminish, but may last for a couple of days.

Avoiding smoky situations is the best way to avoid exposure. If your age or health status places you at greater risk from smoke exposure you should speak with your doctor about alternative steps you can take when encountering smoky situations. Anyone with persisting or frequent symptoms that they think are associated with smoke exposure should see their health care provider.

## TRAINING SPECIALIST MESSAGE

Thanks to all the Trainers out there!

Without you folks stepping up, there would be no training program.  
Trainees - thank your trainers.



Position task books can be initiated before attendance and successful completion of required training. However, Trainees cannot become fully qualified for the position until required training has been successfully completed. A Trainee must be qualified in the prerequisite position(s) before a PTB can be initiated (310-1)

### TRAINING WATCH OUT

Your Taskbook has tasks that were signed off in 1998.

To climb steep hills requires a slow pace at first.  
William Shakespeare

## 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.*

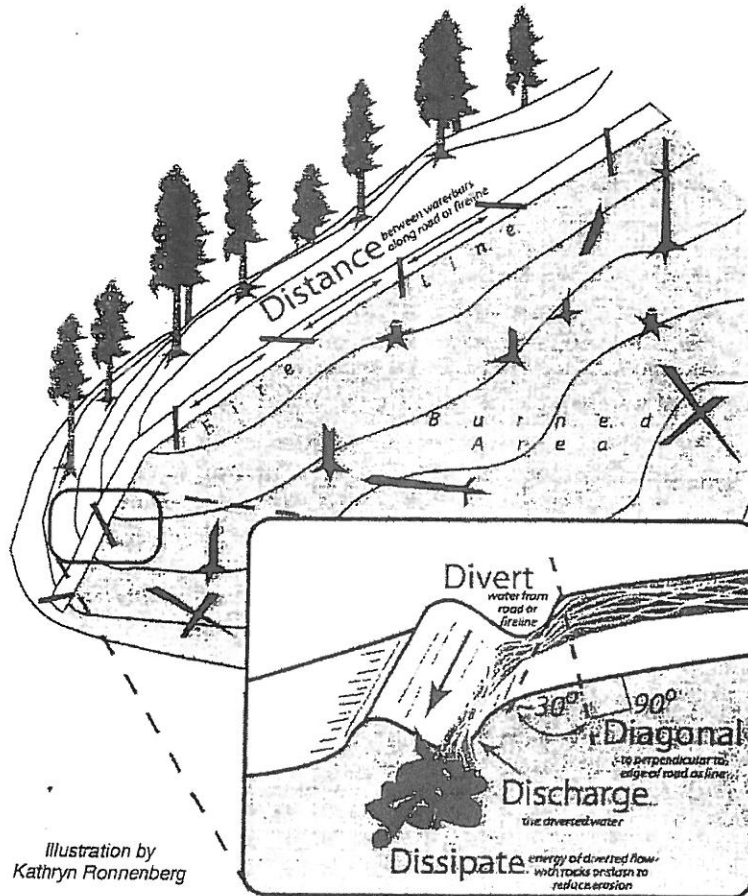
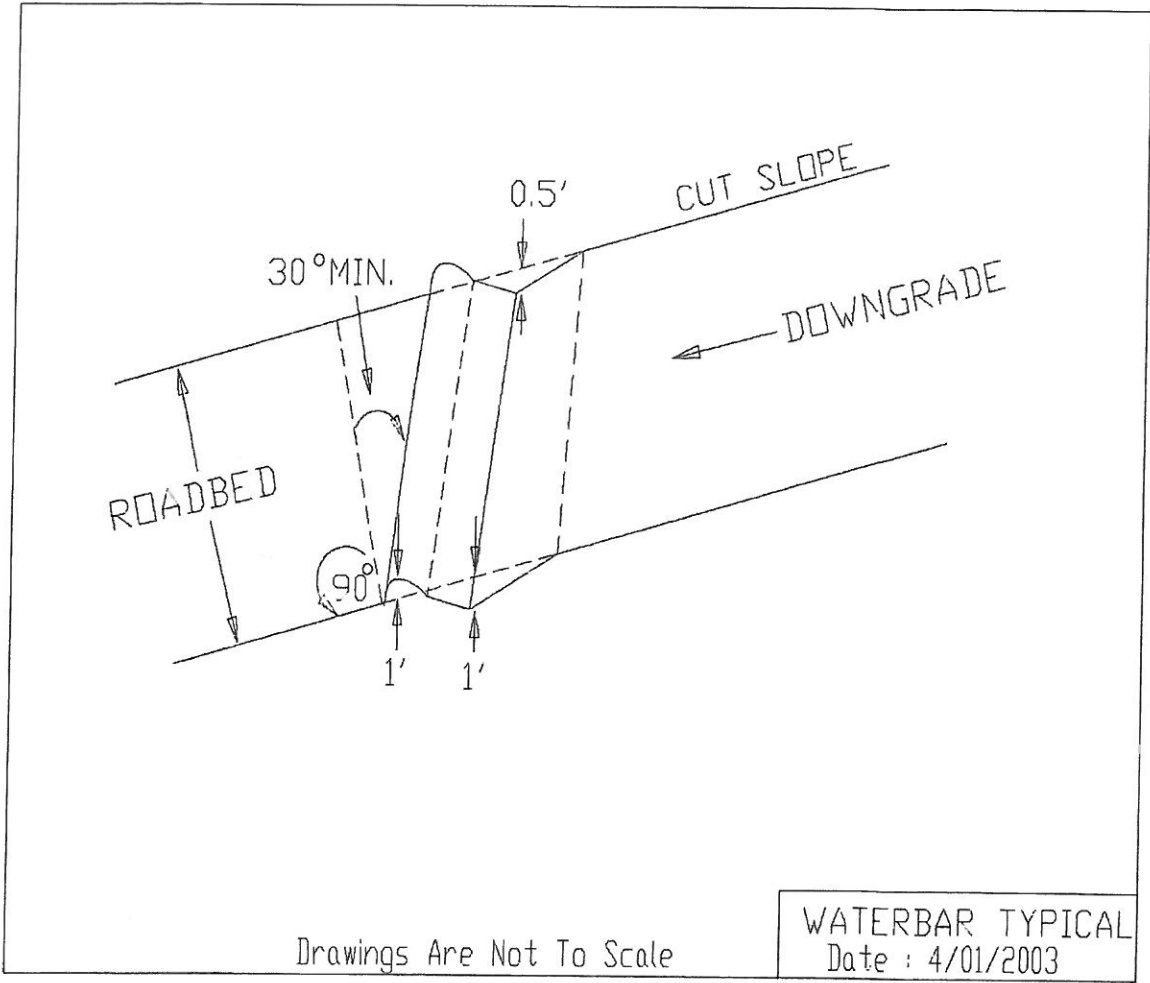


Illustration by  
Kathryn Ronnenberg





## Nor Cal #1

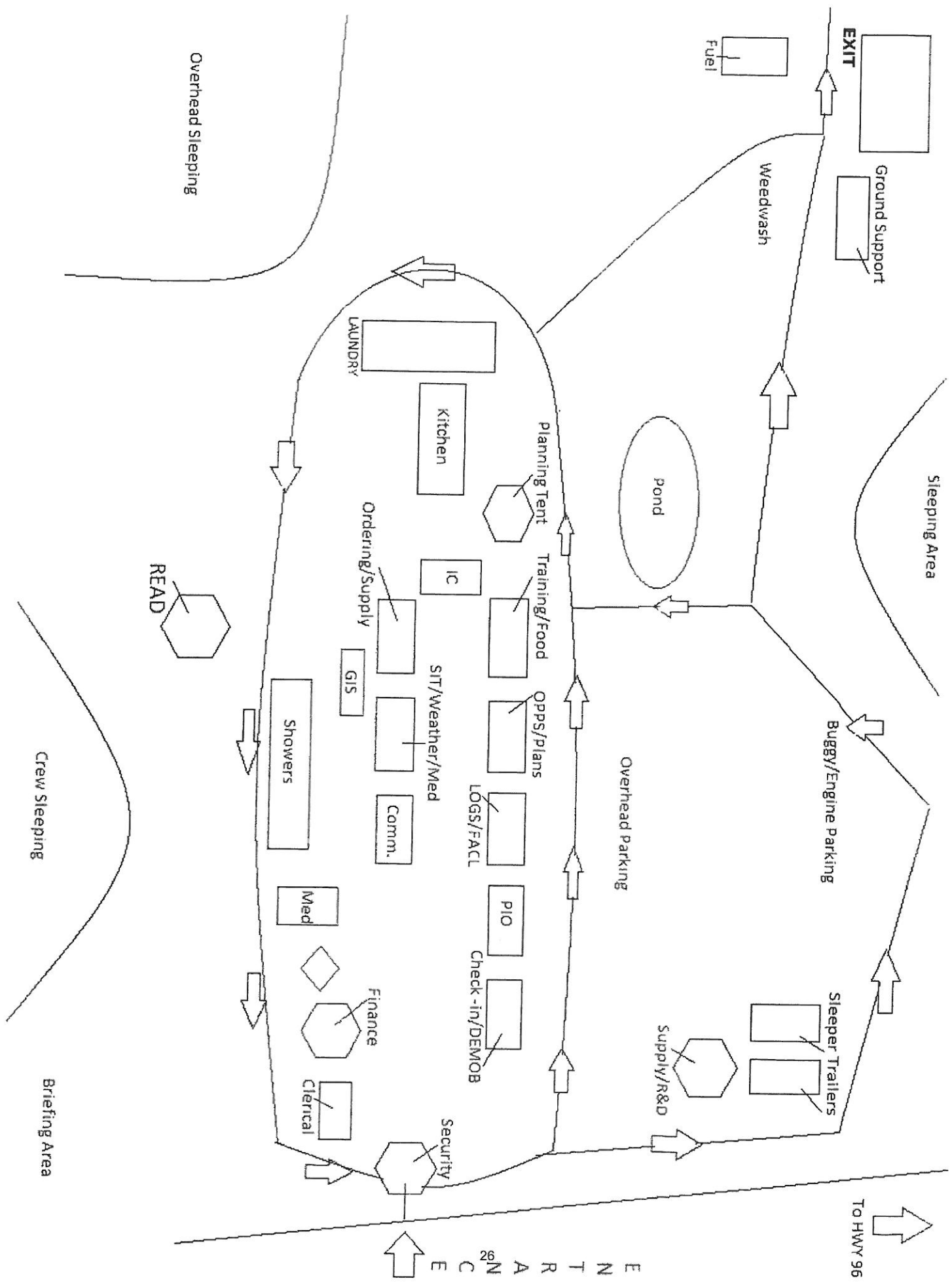
### Expectations for Operational Periods and Shift Length

- 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:		
			24		







## NICKOWITZ FIRE FACILITIES SCHEDULE

- KITCHEN      **BREAKFAST**    0500 - 1000      **DINNER**    1700 -2200
- REEFER      0500 -2200
- SUPPLY      0600 – 2200
- SHOWER      **MORNING**    0500 – 1200      **EVENINGS** 1400 – 2300
- LAUNDRY    0600 – 2200
- MEDICAL    0600 – 2200
- WEEDWASH  0600 – 2200
- FINANCE    0600 – 2200
  
- SLEEP TRAILERS                    0800 – 1800                    2000 - 0600
- CLEANING                    0600 – 0800                    1800 – 2000
  
- FIRE DAWG    0500 – 2400
  
- **ALL OTHER FUNCTIONS      0600 - 2200**

**QUIET HOURS: 2200 – 0500!!!!**



