

# Nickowitz

Incident Action Plan

Friday, August 28<sup>th</sup>, 2015

Day Shift, 0600 - 2000



✓ **Interior Hazards do exist**

- Scout each work area for new hazards from previous shift
- Only mop-up where safe to do so
- Evaluate Risk vs Gain

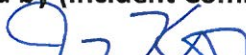
✓ **Extreme footing issues down into Bear Pen Flat (Div-Z)**

- Have a plan in place for Medical Extraction possibilities
- Limit High Risk Activities
- Ensure good comms with Nickowitz Communications before committing resources

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

**Six Rivers National Forest**

**Northern California Incident Management Team 1**

INCIDENT OBJECTIVES	1. Incident Name Nickowitz	2. Date 08/27/2015	3. Time 2000
4. Operational Period August 28, 2015 Day Shift			
<p><b>OPERATIONAL OBJECTIVES</b></p> <p>1) Keep the Nickowitz Fire:</p> <ul style="list-style-type: none"> <li>• South of the 14N02 road.</li> <li>• North and West of the 13N01 road.</li> <li>• Within the Siskiyou Wilderness boundary to the west.</li> </ul> <p>2) Implement fire suppression repair in accordance with developed plans.</p> <p><b>MANAGEMENT OBJECTIVES</b></p> <p>1) Utilize a combination of direct and indirect tactics to provide for responder safety while minimizing responder exposure.</p> <p>2) Engage tribal partners (Karuk and Yurok), agency partners and cooperators in management decisions to ensure timely communication and coordination.</p> <p>3) Effectively manage cost by implementing strategies and tactics that have a high probability of success.</p> <p>4) Emphasize operational safety through the Risk Management Process while protecting cultural and resource values and minimizing suppression impacts on the landscape.</p> <p>5) Keep public informed with current and accurate fire information including all closures to assist in mitigating public safety concerns.</p> <p><b>GENERAL SITUATIONAL AWARENESS</b></p> <p>1) Keep fire South of 14N02 preventing it from establishing in the 2008 Blue/Siskiyou Incident to avoid long duration, costly fire operations.</p> <p>2) Keep fire North &amp; West of the 13N01 road to protect a tree plantations and cultural values.</p> <p>3) Keep fire from spreading west outside of wilderness area &amp; getting established onto state DPA, tribal lands and private timber company lands.</p>			
6. Weather Forecast for Period			
<ul style="list-style-type: none"> <li>• See attached weather forecast.</li> </ul>			
7. General Safety Message			
<ul style="list-style-type: none"> <li>• See attached safety messages.</li> </ul>			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Weather	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> ICS215a	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> Rehab Considerations	
9. Prepared by (Planning Section Chief) Walter Herzog	10. Approved by (Incident Commander) Jay Kurth 		

ORGANIZATION ASSIGNMENT LIST				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 27, 2015	2000		Receiving & Distribution	Fred Johnson, Dion Nugent (t)
4. Operational Period			Security Manager	Mike Turner
<b>Day August 28, 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	
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 Vardanega, Tim Ritchey (t)
Agency Admin Rep	Nolan Colegrove		Division/Group	Repair Terry Warlick
Karuk Tribal Rep	Bill Tripp		Division/Group	READS Roberto Beltran
Yurok Tribal Rep	Javier Kinney		Division/Group	
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	
Cal Fire	Tom Nix		Division/Group	
7. Planning Section				
Chief	Walter Herzog		b. Division/Groups - Night	
Deputy			Division/Group	
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 (t)		Division/Group	
Training	Dominic Panno		Division/Group	
CTSP	George Steel		Division/Group	
GISS	Matt Dickinson, James Gonzalez		Division/Group	
FBAN	John Wood		Division/Group	
IMET	Joe Goudsward		Division/Group	
8. Logistics Section				
Chief	Ken Kumpe		c. Air Operations Branch	
Deputy	Brett Shurr		Air Operations Branch Director	Glenn Dietz
Supply Unit	Richard Sheets		Air Attack Supervisor	
Ordering	Ron Pierce, Josh Ramey (t)		Air Support Supervisor	Steve Beall
Facilities Unit	Frank DelCarlo, Jeff Huhtala, Richard		Helicopter Coordinator	
			Air Tanker Coordinator	
9. Finance Section				
Prepared by (Resource Unit Leader)			Chief	Lois Charlton, Wendy McCartney (t)
Tanya Costello (t)			Time Unit	
Approved by (Planning Section Chief)			Cost Unit	Kenny Lucien
Walter Herzog			Compensation/Claims Unit	Debbie McIntosh
			Equipment Time	Veronica Rasmussen, Lou Ann Charbonnier

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>A/B/Z</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: <b>August 28, 2015</b> Time: <b>0600- 2000</b>				
5. Operations Personnel						
Operations Chief	<b>CURT LINDSTRAND, DON FREGULIA (t)</b>		Division/Group Supervisor	<b>PAUL JOHNSON, RAY DOMBROSKI (t)</b>		
Planning Ops.	<b>DUSTAN MUELLER</b>		Air Attack Supervisor No.			
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
HC 2IA KARUK #1 C-10	TAYLOR SUPER	9/10	19	N	1000	2000
HC 2IA GREY BACK 8A C-26	RAMIO MENDOZA	8/29	20	N	0700	2000
ENG3 MDF 45 E-173	MIKE TATEISHI	9/9	5	N	0700	2000
ENG3 MDF 55 E-174	JASON BUNKER	9/9	5	N	0700	2000
WTS1 ORLEANS THORN E-91	DELBERT KING	8/30	1	N	0700	2000
WT2 WHITE LOGGING E-92	TOM WHITE	8/28	1	N	0700	2000
FEMP O-169	JASON CHANEY	9/1	1	N	0700	2000
FEMP O-212	RICK BRACELIN	9/3	1	N	0700	2000
SOF2 O-88.56	JEFF BARNHART	8/28	1	N	0700	2000
REMS TEAM O-17	MIKE MACINNES	8/28	2	N	0700	2000
7. Control Operations Mop up where safe to do so. Burn out and hold control line as necessary.						
8. Special Instructions: Medic 31 Incident Ambulance staged at DP6. Assist repair group in stage 1 suppression repair. Back haul trash and excess supplies. Water source: Utilize Hines Creek draft site. Bean Camp draft site for Roads Group use only. When drafting from Bean Camp, complete water use log. Avoid areas with red/white flagging.						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C10	170.4125N		165.9625N	127.3
Command	2	NIFC C12	173.0375N		167.3250N	127.3
Command	3	NIFC C68	173.5500N		165.7250N	127.3
Command	4	NIFC C76	173.7500		164.8375	
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) <b>Tanya Costello (t)</b>		Approved by (Planning Section Chief) <b>Walter Herzog</b>			Date <b>August 27, 2015</b>	

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>C</b>			
3. Incident Name <b>NICKOWITZ FIRE</b>			4. Operational Period Date: August 28, 2015 Time: 0600- 2000					
5. Operations Personnel								
Operations Chief		CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor		RANDY JENNINGS, BRIAN ROGERS (t)		
Planning Ops.		DUSTAN MUELLER		Air Attack Supervisor				
6. Resources Assigned this Period								
Strike Team/Task Force/ Resource Designator		Leader		LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
ENG3 LNF 82 E-172		SHAWN BUTTERBACH		9/9	5	N	0700	2000
ENG3 LNF 14 E-171		CHRIS DOYLE		9/9	5	N	0700	2000
ENG3 3230 E-170		JEREMY McMAHON		9/9	5	N	0700	2000
ENG6 ARVADA FPD 58 E-75		JARED ACKER		9/11	3	N	0700	2000
WT1 LENAHAN E-108		TIM HUEGEL		9/8	1	N	0700	2000
WT2 PETERS E-109		CODY WELDON		8/31	1	N	0700	2000
WT2 H&S E-110		HAROLD SHUMAN		8/31	1	N	0700	2000
WT1 R. BROWN E-113		STEVE DYE		8/31	1	N	0700	2000
WT2 PETER'S ENT. E-106		JESSE MORTON		8/31	1	N	0700	2000
TFLD (t) O-95		ORLANDO GENAO		8/30	1	N	0700	2000
FEMP O-130		RYAN HOWARD		9/2	1	N	0700	2000
SOF2 O-88.55		JIM MACKENSEN		8/28	1	N	0700	2000
7. Control Operations Mop up where safe to do so. Hold and patrol control line.								
8. Special Instructions: Medic 31 Incident Ambulance staged at DP6. Check OPS map for new DIV M/C break at Barren Dip. Back haul trash and excess supplies. READs / Heritage Consultants will monitor dozer operations. Avoid areas with red/white flagging. Water sources- Use Bluff Creek and North Bridge Dip Sites. Utilize MIST whenever possible.								
9. Division Group Communication Summary								
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone		
Command	1	NIFC C10	170.4125N		165.9625N	127.3		
Command	2	NIFC C12	173.0375N		167.3250N	127.3		
Command	3	NIFC C68	173.5500N		165.7250N	127.3		
Command	4	NIFC C76	173.7500		164.8375			
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 27, 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: <b>August 28, 2015</b> Time: <b>0600- 2000</b>				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Division/Group Supervisor		MARK VARDANEGA, TIM RITCHEY (t)	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.			
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
HC 2IA HEART LAKE C-27	BRANDYN HARVEY	9/2	18	N	0700	2000
HC MOD Mt HEBRON 71 C-13	ERIC BLANKENSHIP	8/31	10	N	0700	2000
ENG6 LONGMONT 2123 E-81	JUAN SALOMON	9/3	3	N	0700	2000
STEN O-61	ERIC WARD	8/28	1	N	0700	2000
FEMP O-170	JASON BEZEMER	8/31	1	N	0700	2000
FEMP O-129	NICK CHAPIN	8/31	1	N	0700	2000
SOFR O-249	RICK CLARKE	9/4	1	N	0700	2000
SOFR (t) O-262 (Share w/ C)	BRYAN McLEAN	9/4	1	N	0700	2000
7. Control Operations Mop up where safe to do so. Burn out and hold control line as necessary.						
8. Special Instructions: Medic 31 Incident Ambulance staged at DP6. Check OPS map for new DIV M/C break at Barren Dip.						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C10	170.4125N		165.9625N	127.3
Command	2	NIFC C12	173.0375N		167.3250N	127.3
Command	3	NIFC C68	173.5500N		165.7250N	127.3
Command	4	NIFC C76	173.7500		164.8375	
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 27, 2015	

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>READS</b>		
3. Incident Name <b>NICKOWITZ FIRE</b>		4. Operational Period Date: <b>August 28, 2015</b> Time: <b>0600- 2000</b>				
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND DON FREGULIA (t)		Lead READ		ROBERTO BELTRAN (O-7)	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.			
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
TRIBAL REP O-902	RICHARD MYERS	9/4	1	N	0700	2000
TRIBAL REP O-2	BILL TRIPP	8/31	1	N	0700	2000
READ O-43 (DIV M, C)	PAUL CLAEYSSENS	8/30	1	N	0700	2000
ARCH O-47 (DIV M, C)	ALYSON KRAL	9/3	1	N	0700	2000
READ O-147 (DIV C)	PHIL PIERARD	9/3	1	N	0700	2000
READ O-245	GREGG BOUSFIELD	9/6	1	N	0700	2000
HERITAGE CONSULTANT O-246	RICHARD BAILEY	9/5	1	N	0700	2000
HERITAGE CONSULTANT O-28	PHILLIP COURTS	9/5	1	N	0700	2000
7. Control Operations						
Special Instructions: Use appropriate Tactical Channel for each Division. Contact Division Supervisor when entering Division. Medic 31 Incident Ambulance staged at DP6.						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C10	170.4125N		165.9625N	127.3
Command	2	NIFC C12	173.0375N		167.3250N	127.3
Command	3	NIFC C68	173.5500N		165.7250N	127.3
Command	4	NIFC C76	173.7500		164.8375	
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 27, 2015	

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>REPAIR GROUP</b>	
3. Incident Name <b>NICKOWITZ FIRE</b>			4. Operational Period Date: <b>August 28, 2015</b> Time: <b>0600- 2000</b>			
5. Operations Personnel						
Operations Chief	CURT LINDSTRAND, DON FREGULIA (t)		Group Supervisor		TERRY WARLICK	
Planning Ops.	DUSTAN MUELLER		Air Attack Supervisor No.			
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
ENG3 FTC 37 E-180	MIKE FLEMING	9/5	4	N	0700	2000
ENG3 BTSX 23 E-183	JUSTIN RUPERT	9/8	3	N	0700	2000
ENG6 BRUSH 42 E-74	KRISTY OLME	9/2	3	N	0700	2000
ENG6 BRUSH 2 E-82	JARROD LANG	9/10	3	N	0700	2000
WT1 TT CONSTRUCTION E-6	CHRIS WILSON	8/30	1	N	0700	2000
WT1 TT WATER TENDER E-112	KEVIN RICKEY	8/30	1	N	0700	2000
GRD KEN'S GRADER, INC E-53	ALLEN MULKEY	9/5	1	N	0700	2000
CHIP FIRE STORM #2 E-169	DANE ECCLES	9/7	2	N	0700	2000
CHIP E-168	TIM BURKE	9/6	1	N	0700	2000
CHIP E-167	JACK BEHRENS	9/6	1	N	0700	2000
EXCAVATOR HAT CREEK E-98	KYLE PERE	8/28	1	N	0700	2000
EXCAVATOR HOLT LOGGING E-144	DAVID ZALESNY	9/7	1	N	0700	2000
EXCAVATOR BEN'S TRUCK E-176 + TRANS	ERIC SPRATT	9/8	2	N	0700	2000
HEQB O-83	PAUL ROGERS	8/29	1	N	0700	2000
HEQB O-82	ROBERT JONES	9/6	1	N	0700	2000
TFLD (t) O-209	ERIK BORLAUG	9/2	1	N	0700	2000
7. Control Operations Complete 80% to 100% of all suppression stage 1 repair in all divisions.						
8. Special Instructions: Medic 31 Incident Ambulance staged at DP6. Use appropriate Tactical Channel for each Division.						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C10	170.4125N		165.9625N	127.3
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Command	4	NIFC C76	173.7500		164.8375	
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 27, 2015	





# INCIDENT Weather Forecast



**FORECAST NO: 11**  
**PREDICTION FOR: Day Shift**  
**SHIFT DATE: Friday 8/28/2015**  
**ISSUED: Thursday 8/27/2015 at 2000**

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

**WEATHER DISCUSSION:**

The large storm system we have been talking about for the past several days is finally making its way towards the coast. Moisture will increase through the day with a shower or two possible late in the day over the highest peaks. A strong upper level disturbance will move across northwest California Friday night as the upper level trough lifts into the Pacific northwest bringing widespread rain with it. Gusty southwest winds on the ridge tops are also expected as the system works its way through the region, Behind the main system, several much weaker upper level disturbances will move through with a chance of showers continuing through Sunday although decreasing quickly as the system pulls away. Much cooler conditions will prevail through the majority of next week.

**WEATHER FORECAST FOR TODAY:**

**WEATHER:** Mostly cloudy with areas of smoke. A slight chance of afternoon showers over the higher peaks.  
**TEMPERATURES:** 1800 - 2500 feet: 82 to 87, Over 2500 feet: 77 to 84  
**MINIMUM HUMIDITY:** Ridges: 27 to 32%, Valleys: 24 to 29%  
**20 FT WINDS:**  
**RIDGETOP:** Southwest 6 to 12 gusting to 20 mph, especially early in the day.  
**SLOPE/VALLEY:** Up slope / Up valley becoming southwest 6 to 10 mph.

**CWR:** 0%                                        **LAL:** 1                                        **HAINES INDEX:** 3  
**STABILITY / INVERSION:** Inversion not breaking until mid to late afternoon.

**WEATHER FORECAST FOR TONIGHT:**

**WEATHER:** Cloudy with a chance of showers before 11pm, rain likely after 11pm. Isolated thunderstorms possible.  
**TEMPERATURES:** 1800 - 2500 feet: 56 to 61, Over 2500 feet: 51 to 56  
**MAXIMUM HUMIDITY:** Ridges: 65 to 75%, Valleys: 87 to 94%.  
**20 FT WINDS:**  
**RIDGETOP:** Southwest 8 to 12 mph.  
**SLOPE/VALLEY:** Southwest 4 to 8 mph.

**CWR:** 90%                                        **LAL:** 2                                        **HAINES INDEX:** 1

**WEATHER FORECAST FOR SATURDAY:**

**WEATHER:** Mostly cloudy with showers likely, especially early in the day, Isolated thunderstorms possible.  
**TEMPERATURES:** 1800 - 2500 feet: 66 to 72, Over 2500 feet: 72 to 76  
**MINIMUM HUMIDITY:** Ridges: 41 to 46%, Valleys: 36 to 41%  
**20 FT WINDS:**  
**RIDGETOP:** Southwest 10 to 15 mph with gusts as high as 30 mph.  
**SLOPE/VALLEY:** Southwest 7 to 13 mph with gusts of 18 mph.

**CWR:** 40%                                        **LAL:** 2                                        **HAINES INDEX:** 2  
**STABILITY / INVERSION:** Inversion not likely breaking.

**EXTENDED FORECAST: Sunday through Tuesday**

**Sunday:** Partly cloudy with a slight chance of showers. Lows 50 to 56. High 66 to 72. Minimum humidity 35 to 45%. Southwest winds 5 to 10 mph, CWR: <10%  
**Monday:** Partly Cloudy. Lows 50 to 56. High 71 to 78. Minimum humidity 30 to 40%. Southwest winds 5 to 10 mph,  
**Tuesday:** Partly cloudy. Lows 52 to 58. High 73 to 77. Minimum humidity 25 to 35%. West winds 6 to 10 mph.

## FIRE BEHAVIOR FORECAST

<b>FORECAST NUMBER:</b> 21	<b>TYPE OF FIRE:</b> Wildland Fire
<b>FIRE NAME:</b> Nickowitz	<b>OPERATIONAL PERIOD:</b> 8/28, 0600 to 2000
<b>DATE ISSUED:</b> 8/27/15	<b>TIME ISSUED:</b> 2000
<b>UNIT:</b> Six Rivers National Forest	<b>SIGNED:</b> /s/ John Wood FBAN

### INPUTS

**WEATHER SUMMARY:** The large storm system we have been talking about for the past several days is finally making its way towards the coast. Moisture will increase through the day with a shower or two possible late in the day over the highest peaks. A strong upper level disturbance will move across northwest California Friday night as the upper level trough lifts into the Pacific northwest bringing widespread rain with it. Gusty southwest winds on the ridge tops are also expected as the system works its way through the region. Behind the main system, several much weaker upper level disturbances will move through with a chance of showers continuing through Sunday although decreasing quickly as the system pulls away. Much cooler conditions will prevail through the majority of next week.

Expect maximum temperatures below 2500 ft 82-87 degrees above 2500 ft 77-84. Minimum humidity, Ridges 27-32% Valleys 24-29%. Ridges Southeast 6-12 mph gusting to 20, especially early in the day. Valleys Upslope, up valley becoming southwest 6-10.

### OUTPUTS

**GENERAL:** Ahead of the approaching wet low, winds are a primary concern. Recoveries were likely good last night but a cautious forecast ahead of windy conditions is practical. Cloud cover will also favor cooler burning conditions. Forecast wind direction is southwest but the wind speeds are the concern at 8-12 mph with gust to 20 mph possible. Higher relative humidity and cooler temperatures will help moderate the potential fire activity but high winds and gusts can keep the fire active. Light fuels may be slow to reach free burning conditions ahead of the approaching low and their influence to fire spread should be a good gauge of overnight recoveries. Heavier fuels like 100 hour and 1000 hour fuels will remain burnable, regardless and can burn with enough intensity to pre-heat adjacent fuels, cause active fire spread and generate torching if strong wind reaches active fire. These conditions will persist until fuels begin to recover from relative humidity or enough rain has fallen to moisten fuels, heavy canopy will delay the effect of rain. Heavy fuels that are burning will continue to burn holding heat, possibly for days.

Backing/Flanking rate of spread 1-2 ch/hr, flame lengths 1-3 feet. Head fire timber understory rate of spread 5-10ch/hr flame lengths 5-8 feet, timber litter rate of spread 3-6 ch/hr, flame lengths 2-3 feet. **ERC 51 BI 48**

**SPECIFIC:** Fine fuel moisture 8% 1000 hr 10% Probability of ignition 40-60% Spot distance about a 1/2 mile.

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

**Division C:** High winds are likely to influence any open flame near the ridge tops but wind direction and speed should remove most of the spotting potential. Eddying on the lee side of prominent topography may be the most likely sources of spotting. Probability of ignition will be low and should help keep embers from becoming problematic spot fires but spots will be possible.

**Division M:** Forecast wind direction will influence fire spread laterally along the line going down Barren Ridge. This may be energetic flanking as wind feeds air into the fire and pushing along the exposed riedge. Sheltering by the topography should keep the winds from reaching too far in to Soapstone Gulch.

**Division Z:** Expect up slope winds again today and speeds may be higher because forecast southwest wind speeds will be higher. Good potential for improved recoveries last night but expect fire spread to flank into the wind as up slope winds supply air flow to active fire. Expect backing and flanking as the main fire spread characteristic.

### AIR OPERATIONS

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

### Safety Message

Fire spread at high relative humidity or even during the early part of a rain event is possible when combined with high winds. Tree canopy can shelter fuels from rain and delay the effect of higher humidity providing potential for fire spread.

**INCIDENT RADIO COMMUNICATIONS PLAN**

Incident Name

**NICKOWITZ CA-SRF-001470**

Date/Time Prepared

08-27-15 1300

Operational Period Date/Time

0600 8/28 – 1800 8/31

**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	COMMAND 4	NIFC C76	ALL DIVISIONS	173.7500N		164.8375N	127.3	A	RED MOUNTAIN
5	TACTICAL	NIFC T7	DIVISION A/B/Z	168.2500N	127.3	168.2500N	127.3	A	
6	TACTICAL	R5 TAC5	DIVISION C/M	167.1125N	127.3	167.1125N	127.3	A	
7	TACTICAL	NIFC T2	<b>IA TACTICAL</b>	168.2000N		168.2000N		A	<b>NOTE: TX TONES ON ALL CHANNELS ARE HARD CODED</b>
8	CDF COMMAND	CDF CMD1	CALFIRE COMMAND	151.3550N	103.5	159.3000N	136.5	A	<b>KEYPAD SELECTION NOT REQUIRED</b>
9	CDF TACTICAL	CDF T 26	NORTH TASK FORCE TAC	159.2925N	192.8	159.2925N	192.8	A	
10	CDF TACTICAL	CDF T 27	SOUTH TASK FORCE TAC	159.3075N	192.8	159.3075N	192.8	A	
11	IA COMMAND	SRFFOR5	IA COMMAND	168.7250N		170.1250N	146.2	A	ORLEANS MOUNTAIN
12	IA COMMAND	SRFFOR7	IA COMMAND	168.7250N		170.1250N	167.9	A	UKONOM MOUNTAIN
13	AIR-TO-GND IA	AIG 43	<b>FOREST IA ONLY</b>	167.6000N		167.6000N		A	
14	AIR TO GROUND	AIR-GND	<b>ALL DIVISIONS</b>	164.8625N		164.8625		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 Cartoscelli, COM/L Harold Reed COM-LT Nor Cal IMT 1

Incident Location

SIX RIVERS NATIONAL FOREST

# AIR OPERATIONS SUMMARY

Prepared By: Glenn Dietz

Prepared Date: 8/27/2015

Prepared Time: 2000

<b>1. INCIDENT NAME:</b> NICKOWITZ (CA-SRF-1470)	<b>2. OPS PERIOD DATE:</b> 8/28/2015	<b>START TIME:</b> 0700	<b>END TIME:</b> 2000	<b>SUNRISE:</b> 0636	<b>SUNSET:</b> 1955
<b>3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.):</b> 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. **If ordered to assist the Gasquet, utilize IP for check-in to Gasquet Airspace to avoid cultural no fly zones & airspace coordination, (see Air Ops map & Air Hazard map).**			<b>4. READY ALERT AIRCRAFT</b> MEDEVAC: H-8MC ***CALCORD TONE 6*** INITIAL ATTACK: H-8MC		
			<b>5. TFR #:</b> 5/8861 Center: N 41° 26.000' W 123° 45.000' Radius: 5 nm Ceiling: 9000' MSL		

6. PERSONNEL	NAME	PHONE #	7. FREQUENCIES	AM	FM	8. FIXED-WING- Type/ Make-Model/ #/ 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		156.0750	
			CALCORD		TONE 6	OTHER FW AIRCRAFT-

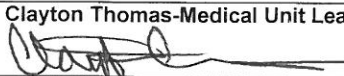
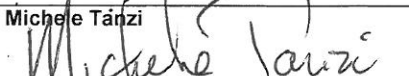
9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA N#	T	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	FAA N#	T	MAKE/ MODEL	BASE	AVAIL	START	REMARKS
H-8MC	3	A-Star	Hoopla HLB	0700	0800	Pax, Bucket, PSD, Recon	H-502	2	Bell 205 A1	Marble HLB	0700	0800	Release at 1400
							H-503	3	Bell 407	Marble HLB	0700	0800	Release at 1400

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>8/28/15 0600-2000</b>						
3. Ambulance Services								
Name	Location	Phone & EMS Frequency		Advanced Life Support (ALS) Yes      No				
Medic 31 – Incident Ambulance	Staged at DP-6	Contact on Command or 530-925-5232		X				
Hoopa Ambulance	1200 Airport Rd. Hoopa, CA	911 or 707-726-1266		X				
4. Air Ambulance Services (COORDINATE with AIR AMBULANCES on CALCORD tone 6)								
Name	Phone	Type of Aircraft & Capability						
H-502 & H-503 (until 1300)	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-88 N41°25.108 x W123°46.377		
H-2 N41°23.544 x W123°45.396			H-87 N41°25.638 x W123°46.712					
Alternate no-fly plan:								
7. Remote Aid Stations								
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-Medical Unit Leader 			8/27/15 1930		Michele Tanzi 		8/27/15 1930	

# MEDICAL PLAN (ICS 206 WF)

## Medical Incident Report

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

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

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

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

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

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

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

**4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY**

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

**5. TRANSPORT PLAN:**

**Air Transport:** (Agency Aircraft Preferred)

- Helispot                       Short-haul/Hoist                       Life Flight                       Other

**Ground Transport:**

- Self-Extract                       Carry-Out                       Ambulance                       Other

**6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:**

- Paramedic/EMT(s)     SKED/Backboard/C-Collar     Crew(s)                       Burn Supplies                       Oxygen  
 Trauma Bag                       Medication(s)                       IV/Fluid(s)                       Cardiac Monitor/AED  
 Other (i.e. splints, rope rescue, wheeled litter)

**7. COMMUNICATIONS:**

- Run Medical Emergency on Command                      - Coordinate with air ambulance on CALCORD tone 6

**8. EVACUATION LOCATION:**

- **Lat/Long** (Datum WGS84) *EX: N 40 42.45' x W 123 03.24'* \_\_\_\_\_
- **Patient's ETA to Evacuation Location:** \_\_\_\_\_
- **Helispot/Extraction Size and Hazards:** \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

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

**Nickowitz INCIDENT RISK ANALYSIS (215a)  
Day Shift, August 28, 2015**

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
M	Indirect Attack	<ul style="list-style-type: none"> <li>• Unburned fuel between you and the fire. <b>Post experienced lookouts!</b></li> <li>• <b>Know how long it takes to Escape to a Safe area. This is critical in this terrain type.</b></li> <li>• Pre-identify potential hoist sites for medical evacuation</li> <li>• <b>You're only as fast as your slowest person</b></li> <li>• Review page 77 in IRPG on Strategy – Indirect Attack</li> </ul>
ALL	Medical Emergencies	<p>~ Review, understand and discuss with your resources the Medical Plan in the IAP.</p> <p>~ <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></p> <p>~ Base all operational decisions and activities on these 3 questions:</p> <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> <p>~ If the answers are insufficient, stop, re-assess and consider alternate strategies and tactics.</p> <p>~ <b>Have Alternate plan in place when aircraft is grounded due to visibility issues.</b></p> <p>~ If air or ground ambulance is delayed: package and transport patient to rendezvous with incoming ambulance.</p> <p>~ Re-route EMS helicopter to rendezvous point as appropriate</p> <p>~ <b>Be aware of Rotor Wash &amp; its effect on Fire behavior when the extraction point is next to an active fire edge.</b></p> <ul style="list-style-type: none"> <li>• If possible, <b>MOVE patient to an area with less fire activity</b></li> </ul>
ALL	Hydration & Heat Illness	<ul style="list-style-type: none"> <li>• <b>Pre-hydrate, Re-hydrate! Dehydration is preventable.....Drink a <u>minimum</u> of ½ qt/hr</b></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>• Pace work to avoid heat injuries</li> <li>• Refer to Medical Plan for additional <b>EMS care and Evacuation</b></li> </ul>
C, M, Z	Firing Operations	<ul style="list-style-type: none"> <li>• <b>Identify the Firing Boss &amp; Holding Boss and make it known to all.</b></li> <li>• Know the Plan. Communicate the Plan.</li> <li>• Lookouts, Communications &amp; Escape Routes are in place</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>• <b>Keep your ESCAPE Routes cleared of vehicles and equipment</b></li> </ul>
Z	Steep Terrain	<ul style="list-style-type: none"> <li>• <b>Extreme footing issues getting to Division Z/P break</b> <ul style="list-style-type: none"> <li>• <b>Have a plan in place for Medical Extrication possibilities</b></li> <li>• <b>Limit High Risk Activities</b></li> <li>• <b>Ensure good commo with Nickowitz communications before committing resources</b></li> </ul> </li> </ul>
ALL	Communications	<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>• <b>Use human repeaters in areas with sketchy communications.</b></li> <li>• Refer to the 5 communication responsibilities listed on page ix in the 2014 IRPG</li> </ul>
C, M, Z	Aircraft Operations till 2000	<ul style="list-style-type: none"> <li>• <b>Review and discuss Aviation Watch Out Situations listed in IRPG pg 44</b></li> <li>• Ensure the mission is necessary</li> <li>• Evaluate risk vs gain for each mission/target</li> <li>• <b>Use aerial Supervision and maintain separation.</b></li> </ul>
C, M, Z	Fire Behavior	<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> </ul>
ALL & ICP	Driving Hazards	<ul style="list-style-type: none"> <li>• <b>Reduce speed in Developed Areas.</b> Be watchful of local traffic &amp; pedestrians.</li> <li>• <b>SEAT BELTS ON...LIGHTS ON...BEFORE wheels turn!.....even in ICP</b></li> <li>• Reduce driving speeds to allow for reaction time lag.</li> <li>• Expect the unexpected around every curve.</li> <li>• Don't drive when fatigued. Adhere to agency driving regulations and guidelines.</li> </ul>

**Nickowitz INCIDENT RISK ANALYSIS (215a)  
Day Shift, August 28, 2015**

ALL	<b>Smoke Exposure</b>	<ul style="list-style-type: none"> <li>• Refer to Medical Plan and contact your Division if you have difficulty breathing or chest pain.</li> <li>• Rotate crews out of the thickest concentrations of smoke. Utilize patrols in vehicles with flashers on through these areas to check the fire line when possible.</li> </ul>	
ALL	<b>Biting, Stinging Insects, &amp; Critters</b>	<ul style="list-style-type: none"> <li>• If allergic to bee stings, let your DIVS &amp; Medic/EMT's know.</li> <li>• Leave wildlife alone. Backhaul ALL Trash please.</li> </ul>	
ALL	<b>Complacency</b>	<ul style="list-style-type: none"> <li>• <b>Maintain focus! The job isn't done till we're home with our families</b></li> <li>• Don't let your operations fall into the "routine" category.</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 27, 2015</b></p>	OPERATIONAL PERIOD <b>Friday, Day Shift</b> <b>8/28/2015, 0600 - 2000</b> Prepared by: Tanzi – SOF1, Barnhart – SOF2, Mackensen – SOF2
		TIME PREPARED: <b>1930 HOURS</b>	





Today's discussion is from the  
Fireline Safety Category.

## TERRAIN AND FUELS MAKE ESCAPE TO SAFETY ZONES DIFFICULT

When fighting wildland fires, it is often easy to get committed to areas that put you in Watchout Situation #17. As firefighters progress along the fireline, it is imperative to constantly keep the following considerations in mind:

- Base retreat times on the slowest member of the crew.
- Does the crew's condition allow for fast travel? Discuss physical and mental conditions that could interfere with a crew's ability to travel quickly.
- Will you get adequate warning to make it to your safety zone? Who will you rely on to warn you? How will you ensure that everyone gets the word?
- Can escape routes be improved to make travel to safety zones faster? Are escape routes marked? Review what you have done on past fires to locate, mark, and improve escape routes.
- Will posting more lookouts give adequate warning? Talk about situations where there was more than one firefighter assigned to be lookout.
- To reduce the risks:
  - Consider other tactics that will allow you to be in a safer location. Review fires where you have had to change tactics because escape to safety zones was not adequate.

### References:

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

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

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

**6 Minutes Home**

# TRAINING SPECIALIST MESSAGE

The Training Specialist is closing Incident Training Packages. Trainees are strongly encouraged to complete their training documentation today.

If you are staying after the team has gone, you still have to close your training record with the Training Specialist.



Bring your Task Book (completed by your trainer) and a *completed* individual performance rating.

Forms are available at the training desk.

“If you don’t write it down, it never happened”

*DOMINIC PANNINO*  
Training Specialist

# 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.*

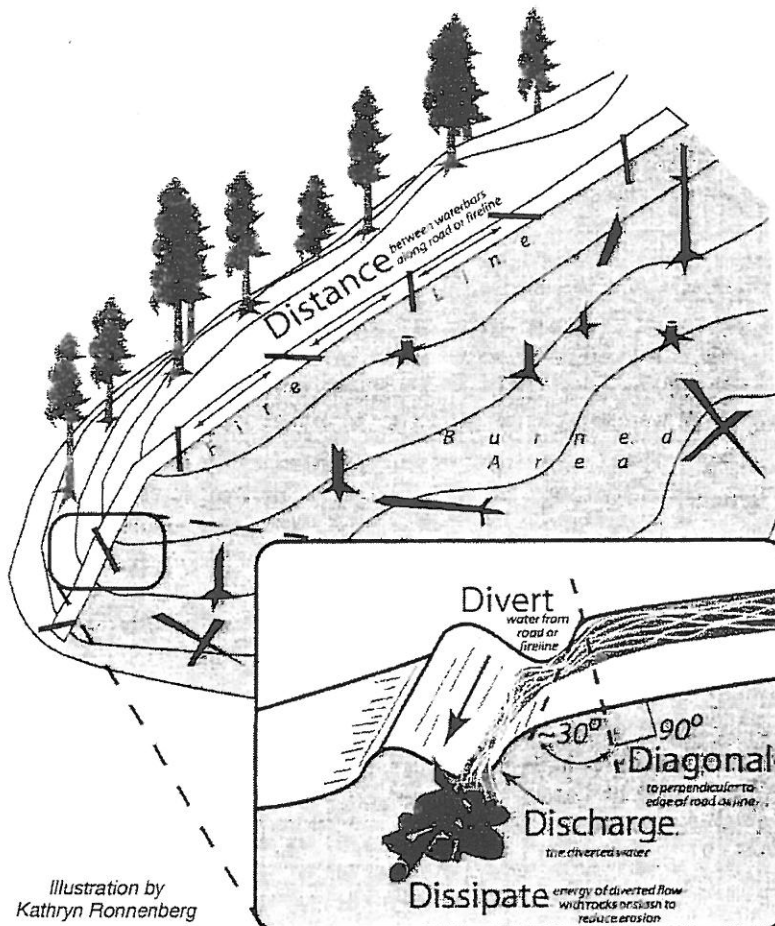
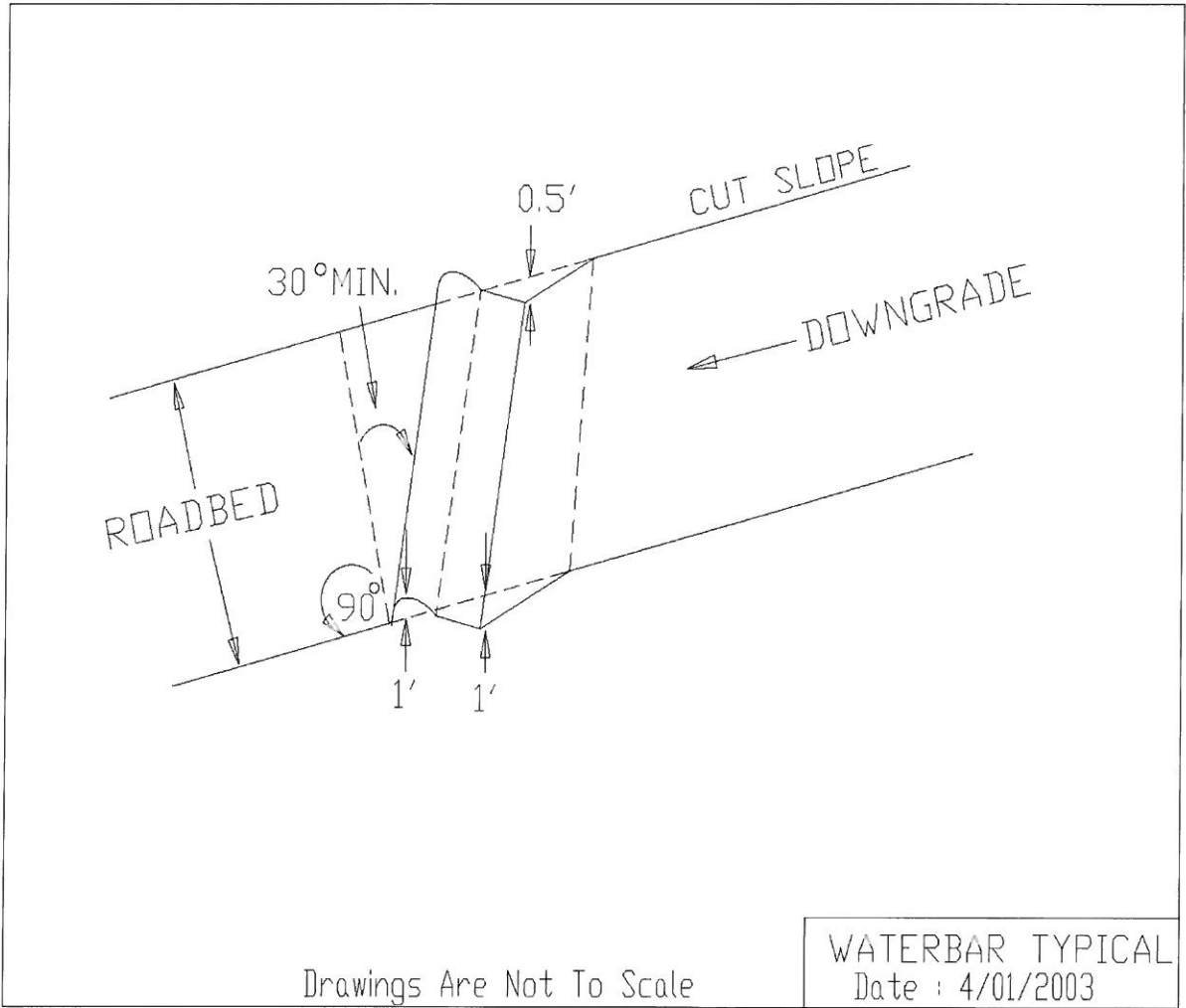


Illustration by Kathryn Ronnenberg



Drawings Are Not To Scale

WATERBAR TYPICAL  
Date : 4/01/2003

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:		



**INCIDENT WATER USE LOG**

DATE	WATER SOURCE	QUANTITY	E NUMBER	DRIVER

**Use this log to track water use.**

- Include the following information:
- Date water was received
  - Water Source (Where you got the water)
  - Gallons collected
  - Resource Order number of resource collecting water
  - Driver Name

**Return this form to FINANCE**

(Additional forms available in Finance)



