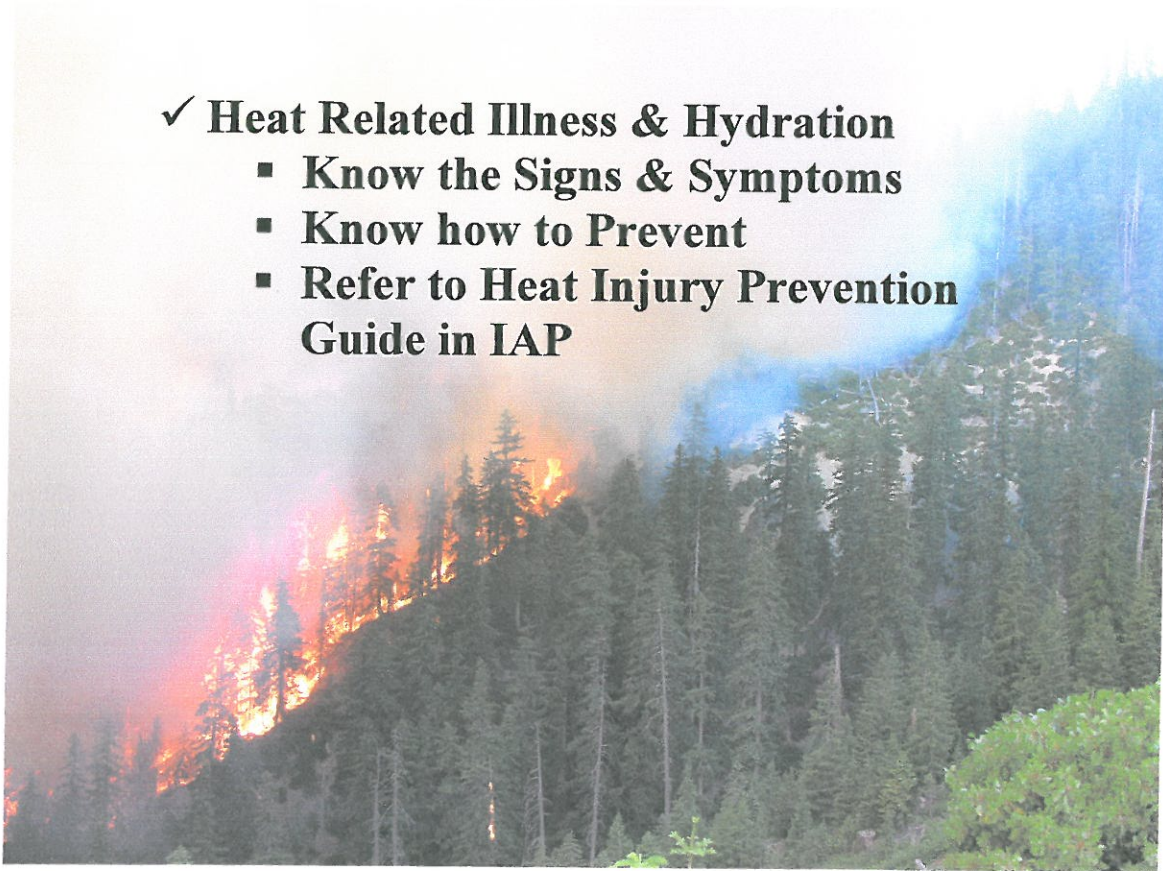


# Nickowitz

## Incident Action Plan

**Monday/Tuesday, August 17/18, 2015  
1800 - 0800**



- ✓ **Heat Related Illness & Hydration**
  - **Know the Signs & Symptoms**
  - **Know how to Prevent**
  - **Refer to Heat Injury Prevention Guide in IAP**

- ✓ **Planning for Medical Emergencies**
  - **What are we going to do if someone gets hurt?**
  - **How will we get them out of here?**
  - **How long will it take to get them to a hospital?**

- ✓ **Refer to Medical Plan in IAP**
  - **Review page 2 in IRPG**

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

**Six Rivers National Forest**

**Northern California Incident Management Team 1**



INCIDENT OBJECTIVES	1. Incident Name Nickowitz	2. Date 08/17/2015	3. Time 1800
4. Operational Period August 17-18, 2015 NIGHT SHIFT			
<p><u>CONTROL OBJECTIVES</u></p> <p>1) Keep the Nickowitz Fire:</p> <ul style="list-style-type: none"> <li>• South of the 14N02 road.</li> <li>• North and West of the 13N01 road.</li> <li>• Within the Siskiyou Wilderness boundary to the west.</li> </ul> <p><u>MANAGEMENT OBJECTIVES</u></p> <p>1) Utilize a combination of direct and indirect tactics to provide for responder safety while minimizing responder exposure.</p> <p>2) Engage tribal partners (Karuk and Yurok), agency partners and cooperators in management decisions to ensure timely communication and coordination.</p> <p>3) Effectively manage cost by implementing strategies and tactics that have a high probability of success.</p> <p>4) Emphasize operational safety through the Risk Management Process while protecting cultural and resource values and minimizing suppression impacts on the landscape.</p> <p>5) Keep public informed with current and accurate fire information including all closures to assist in mitigating public safety concerns.</p> <p><u>GENERAL SITUATIONAL AWARENESS</u></p> <p>1) Keep fire North &amp; West 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 lookout tower, 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 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) Dave Sinclair	10. Approved by (Incident Commander) Jay Kurth <i>Kurt Svingen, Dep. IC</i>		

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	Josh Ramey, Clayton Thomas
August 17-18, 2015	1500		Receiving & Distribution	Fred Johnson, Dion Nugent (t)
4. Operational Period			Security Manager	Mike Turner
<b>Night Shift August 17-18, 2015</b>			Food Unit	Jay Westlake, Mark McGuinness (t)
Position	Name		Equipment Manager	Mona Lake
5. Incident Commander and Staff			9. Operations Section	
Incident Commander	Jay Kurth		Day Operations	Curt Lindstrand, Don Fregulia (t)
Deputy	Kent Swartzlander		Night Operations	Alec Lane
Incident Commander (t)	Curtis Coos (t)		Planning Ops	Dustan Mueller
Safety Officer	Michele Tanzi, Jeff Barnhart, Jim Mackenson		a. Division/Groups - Day	
Information Officer	Phyllis Swanson, Barbara Rebiskie, Jane Laboa		Division/Group A	Jason Jones
Liaison Officer	Kathy Hardy		Division/Group B	Eric Dunnings
Human Resources			Division/Group C	Randy Jennings
6. Agency Representative			Division/Group Z	Jack Sevelson
Agency Administrator	Merv George		Division/Group Contingency	Mark Vardenega
Agency Admin Rep	Nolan Colegrove		Division/Group	
Karuk Tribal Rep	Bill Tripp		Division/Group	
Yurok Tribal Rep	Richard Myers		Division/Group	
Heritage Consultant Coordinator	David Medford		b. Division/Groups - Night	
Lead READ	Paul Claeysens		Division/Group B/C	Mike Klimek
Heritage Resource Advisor	Alyson Kral		Division/Group A/Z	Craig Robertson
			Division/Group	
			Division/Group	
			Division/Group	
			Division/Group	
			Division/Group	
			Division/Group	
			Division/Group	
7. Planning Section			c. Air Operations Branch	
Chief	Walter Herzog		Air Operations Branch Director	Glenn Dietz
Deputy	Dave Sinclair		Air Attack Supervisor	Rico Gonzalez
Resources / Demob / Documentation / Status-Check-in Unit	Rita Mustatia Gary Deboi, Tanya Costello (t), Alan Taylor (t)		Air Support Supervisor	Steve Beall, Jeff Dupras (t)
Situation Unit	Tim Ritchey, Stephen Schumacher		Helicopter Coordinator	
Training	Dominic Panno		Air Tanker Coordinator	
CTSP	George Steel		10. Finance Section	
GISS	Matt Dickinson, James Gonzalez, Amaria Crocoll (t)		Chief	Lois Charlton, Wendy McCartney (t)
FBAN	John Wood		Time Unit	
IMET	Joe Goudsward		Cost Unit	Kenny Lucien
8. Logistics Section			Compensation/Claims Unit	Debbie McIntosh
Chief	Ken Kumpe		Equipment Time	Lou Ann Charbonnier
Deputy	Brett Shurr			
Supply Unit	Richard Sheets, Dave Alicea (t)		Prepared by (Resource Unit Leader)	
Ordering	Ron Pierce		Alan Taylor (t)	
			Approved by (Planning Section Chief)	
			Dave Sinclair <i>Dave Sinclair</i>	



<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>B/C</b>		
3. Incident Name <b>Nickowitz Fire</b>			4. Operational Period: <b>Night</b> Date: August 17-18, 2015      Time: 1800-0800				
5. Operations Personnel							
Operations Section Chief		Alec Lane		Division/Group Supervisor		Mike Klimek	
Planning Ops		Dustan Mueller		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader	Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
HC1 Ukonom IHC (C-6)		Keith Smith	8/20	20	N	DP-6 / 1930	DP-6 / 0700
ENG6 Renner Fire (E-83)		Terry Nelson	8/28	3	N	DP-6 / 1930	DP-6 / 0700
ENG6 611 (E-79)		Michael Dicristia	8/28	3	N	DP-6 / 1930	DP-6 / 0700
ENG6 CO-PBC-6151 (E-77)		Drew Gettel	8/28	3	N	DP-6 / 1930	DP-6 / 0700
ENG6 Longmount 2123 (E-81)		Juan Salomon	8/27	3	N	DP-6 / 1930	DP-6 / 0700
ENG6 CO-FTC-36 (E-80)		Steven Hernandez	8/28	3	N	DP-6 / 1930	DP-6 / 0700
WT2 STF 12 (E-60)		Amanda Lindeman	8/26	2	N	DP-6 / 1930	DP-6 / 0700
STEN (O-61)		Eric Ward	8/28	1	N	DP-6 / 1930	DP-6 / 0700
SOF2 (O-88.56) All Divisions		Jeff Barnhart	8/28	1	N	DP-6 / 1200	DP-6 / 0200
FEMT (O-53)		Greg Sawyer	8/23	1	N	DP-6 / 1930	DP-6 / 0700
7. Control Operations: Patrol and Hold line. Prepare to Burn Out as directed by OPS.							
8. Special Instructions: Mountain Medics – Incident Ambulance spiked in H-1 area. Utilize MIST in the Wilderness.							
9. Division Group Communication Summary							
Function	Channel	Channel Name	RX Frequency N/W	RX tone/NAC	TX Frequency N/W	TX Tone/NAC	
Command	3	NIFC C12	173.0375N		167.3250N	127.3	
Command	4	NIFC C10	170.4125N		165.9625N	127.3	
Tactical	7	NIFC T3	168.6000N	127.3	168.6000N	127.3	
A/G Command	13	A/G CMD	164.8625N		164.8625N		
A/G Tactical	14	A/G TAC	169.8250N		169.8250N		
Prepared by (Resource Unit Leader) Alan Taylor		Approved by (Planning Section Chief) * Dave Sinclear <i>Dave Sinclear</i>			Date August 17, 2015		Time 1630



## FIRE BEHAVIOR FORECAST

<b>FORECAST NUMBER:</b> 4	<b>TYPE OF FIRE:</b> Wildland Fire
<b>FIRE NAME:</b> Nickowitz	<b>OPERATIONAL PERIOD:</b> 8/17 to 8/18, 1800 to 0600
<b>DATE ISSUED:</b> 8/17/15	<b>TIME ISSUED:</b> 1200
<b>UNIT:</b> Six Rivers National Forest	<b>SIGNED:</b> /s/ John Wood FBAN

### INPUTS

**WEATHER SUMMARY:** Light offshore flow will continue tonight with winds on the ridge tops similar to what was seen last night. Any fire above the inversion could be active through the night as poor humidity recovery will be observed again. Otherwise persistence will prevail with a continuation of hot and dry conditions and generally light winds. No appreciable chance of rain is expected through the period.

### OUTPUTS

**GENERAL:** This is mainly a fuels driven fire with 1000 hour fuels down around 10% without good recoveries influencing the light fuels conditions permit active fire spread as relative humidity drops below the mid 30's. Relative humidity near or below 31% may trigger higher activity. With the warm and dry weather the fire remains active throughout the shift. Expect mostly backing and flanking fire as the fire progresses. Some short duration runs are possible as rollout initiates new ignitions in unburned fuels. Single and group tree torching is possible in the understory vegetation. Do not expect to see crown runs under forecast conditions. Backing/Flanking rate of spread around 1-2 ch/hr, flame lengths 2-3 feet. Head fire timber understory rate of spread 5-7 ch/hr flame lengths 5-6 feet, timber litter rate of spread 3-5 ch, flame lengths 2-3 feet.

**SPECIFIC:** Fine fuel moisture 9% Probability of ignition up to 35 % Spot distance around 1/4 mile.

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

**Division B:** Fire will continue to back and flank as it works its way in to the drainage bottom. Short runs are possible from rollout. The fire across the "J" spur should mainly spread with flanking and backing as it moves towards the 13N01 road south of the "J" spur. There is potential for a slope reversal if fire gets across the east fork of Woodtick creek. Upslope or north winds could push embers across the line and cause spots.

**Division C:** Recent burnout has potential for spots as North winds establish when the inversion lifts in the early afternoon. Spotting up to a half mile may be possible in exposed areas at the ridge tops with peak gusts. Roll out may produce short runs as hot material lands in green fuels. Torching and group torching will be possible. Expect the fire to mainly back and flank as it burns toward the drainage north of Soapstone Ridge. This drainage should slow fire spread but probably will not hold under down drainage or northeast wind.

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

**Division Z:** Backing and flanking fire will continue to move fire toward the west near the ridge top. Roll out has potential to initiate runs if burning material lands in green fuels near the recent burnout. Short runs could lead to spotting, watch for building smoke below the control line. Expect persistent spread to the west as the fire moves through the dry fuels.

### AIR OPERATIONS

Expect visibility to be impacted by spoke early in the shift. Mixing heights are forecast to 300 feet overnight.

### Safety Message

Communicate about escape routes and safety zones. Ensure instructions regarding these are understood by your firefighters. Escape routes and safety zones should be clearly marked for poor visibility conditions.



# INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name

**NICKOWITZ CA-SRF-001 470**

Date/Time Prepared

08-17-15 1200

Operational Period Date/Time

1800-0600 08-17/18-15

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

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

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

Prepared by

Rick Cartoscelli, COM1 NorCal IMT 1

Incident Location

SIX RIVERS NATIONAL FOREST



# MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name			2. Operational Period					
<b>NICKOWITZ FIRE</b>			Date/Time <b>8/17/15 1800-0800</b>					
3. Ambulance Services								
Name	Location	Phone & EMS Frequency		Advanced Life Support (ALS) Yes      No				
Mountain Medics – Incident Ambulance	Spiked in H-1 area	Contact on Command or 530-925-5232		X				
Hoopa Ambulance	1200 Airport Rd. Hoopa, CA	911 or 707-726-1266		X				
4. Air Ambulance Services								
Name	Phone	Type of Aircraft & Capability						
H-502	Contact on Command	Assigned to incident						
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	707-822-3621	X	3800 Janes Rd. Arcata, CA
	Long:	W124°05.25						
	VHF:							
Shasta Regional Medical Center	Lat:	N40°35.08		55 min	3 hrs	530-244-5353	X	1100 Butte, Redding, CA
	Long:	W122°23.25						
	VHF:							
UC Davis Level I Trauma/Burn Center	Lat:	N38°33.17		1.5 hrs	6 hrs	916-734-3636 916-734-3790	X	2315 Stockton Blvd. Sacramento, CA
	Long:	W121°27.05						
	VHF:							
6. Division / Crew Pre-plan. Update and discuss with assigned resources daily								
Crew EMTs & Equipment								
Fireline EMTs & Location								
Adv. Life Support?								
Air Hoist site:								
Lat: / Long:								
Helispot:			H-1 N41°29.342 x W123°39.013			H-3 N41°28.077 x W123°47.346		
Lat: / Long:			H-2 N41°23.544 x W123°45.396			Other:		
Alternate no-fly plan:								
7. Remote Aid Stations								
Nickowitz Medical Unit– ICP Orleans N41°18.518 W123°31.511		Point of Contact:			MEDL – Josh Ramey			
		EMS Responders & Capability:			Frontline Medical – Advanced Life Support			
		Equipment Available on Site:			Medical supplies			
		Ambulance ETA :			Air – 55 min.      Ground – 35 min.			
8. Prepared By (Medical Unit Leader)			9. Date/Time		10. Reviewed By (Safety Officer)		11. Date/Time	
Josh Ramey – MEDL <i>Joshua Ramey</i>			8/17/15 1100		Michele Tanzi <i>Michele Tanzi</i>		8/17/15 1100	

# 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. <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> Serious Injury or illness. <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 Fire - Incident Risk Analysis (215a), Night Shift

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

Date & Time Prepared: August 17, 2015 @ 1200

Operational Period: August 17/18, 2015 from 1800 - 0800

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

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

**Six Rivers National Forest**

Northern California Incident Management Team 1

## Heat Injury Controls:

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



Identified controls are in place



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

Monitor and enforce hydration standard



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

Monitor and enforce eating of meals



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

Execute random checks



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

Follow clothing recommendations



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

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

- The work/rest times and fluid replacement volumes will sustain performance and hydration for at least 4 hrs of work in the specified heat category. Fluid needs can vary based on individual differences (± ¼ qt/hr) and exposure to full sun or full shade (± ¼ qt/hr).
- NL = no limit to work time per hr.
- Rest = minimal physical activity (sitting or standing) accomplished in shade if possible.
- If doing Easy Work and wearing NBC (MOPP 4) clothing, add 10°F to WBGT index.
- If doing Moderate or Hard Work and wearing NBC (MOPP 4) clothing, add 20°F to WBGT index.
- CAUTION: Hourly fluid intake should not exceed 1½ qts.
  - Daily fluid intake should not exceed 12 qts.
  - If wearing body armor, add 5°F to WBGT index in humid climates.
- If doing Easy Work and wearing NBC (MOPP 4) clothing, add 10°F to WBGT index.
- If doing Moderate or Hard Work and wearing NBC (MOPP 4) clothing, add 20°F to WBGT index.

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

Heat Category	WBGT Index, °F	Easy Work		Moderate Work		Hard Work	
		Work/Rest	Water Intake (Qt/H)	Work/Rest	Water Intake (Qt/H)	Work/Rest	Water Intake (Qt/H)
1	> 90°	50/10 min	1	20/40 min	1	10/50 min	1
2 (GREEN)	82° - 84.9°	NL	½	50/10 min	¾	30/30 min	1
3 (YELLOW)	85° - 87.9°	NL	¾	40/20 min	¾	30/30 min	1
4 (RED)	88° - 89.9°	NL	¾	30/30 min	¾	20/40 min	1
5 (BLACK)	> 90°	NL	¾	40/20 min	¾	40/20 min	¾

## Fluid Replacement and Work/Rest Guide

### Individual Risk Factors:

- The more factors, the higher the risk
- Not acclimatized to heat (need 10-14 days to get Trainees adequately acclimated).
- Exposure to cumulative days (2-3 days) of any of the following:
  - Increased heat exposure
  - Increased exertional levels
  - Lack of quality sleep
- Overweight.
- Minor illness (cold symptoms, sore throat, low grade fever, nausea, vomiting).
- Taking medications (either prescribed or over-the-counter) and/or supplements or dietary aids. Example:
  - Allergy or cold remedies
  - Ephedra
- Use of alcohol in the last 24 hours.
- Prior history of heat illness (any heat stroke, or >2 episodes of heat exhaustion).
- Skin disorders such as heat rash and sunburn that prevent effective sweating.
- Age >40 years.

## HIP Pocket Guide

(Heat Injury Prevention Guide)

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

### Hazards:

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

## Warning Signs and Symptoms of Heat Stress and Illness

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

### Indications of Possible Heat Casualty

MORE COMMON SIGNS/SYMPTOMS	IMMEDIATE ACTIONS
<ul style="list-style-type: none"> <li>• Dizziness</li> <li>• Headache</li> <li>• Nausea</li> <li>• Unsteady walk</li> <li>• Weakness or fatigue</li> <li>• Muscle cramps</li> </ul>	<ul style="list-style-type: none"> <li>• Remove from training</li> <li>• Allow casualty to rest in shade</li> <li>• Take sips of water</li> <li>• While doing the above, call for a Medic to evaluate the Soldier (Medic will monitor temperature and check for mental confusion)</li> <li>• If no Medic is available call for ambulance or Medevac. Ensure same Trainer keeps monitoring the casualty.</li> </ul>
SERIOUS SIGNS/SYMPTOMS	IMMEDIATELY call Medevac or ambulance for emergency transport while doing the following:
<ul style="list-style-type: none"> <li>• Hot body, high temperature</li> <li>• Confusion, agitation (Mental Status Assessment)</li> <li>• Vomiting</li> <li>• Involuntary bowel movement</li> <li>• Convulsions</li> <li>• Weak or rapid pulse</li> <li>• Unresponsiveness, coma</li> <li>• Hyperventilating</li> </ul>	<ul style="list-style-type: none"> <li>• Lay person down in shade with feet elevated until Medevac or ambulance arrives</li> <li>• Undress as much as possible</li> <li>• Aggressively apply ice packs or ice sheets</li> <li>• Pour cold water over person and fan</li> <li>• Give sips of water while awaiting ambulance (if conscious)</li> <li>• Monitor airway and breathing until ambulance or Medevac arrive</li> <li>• Continue cooling during transport or until body reaches 100°F</li> </ul>

### Mental Status Assessment

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

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

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

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

Signs and Symptoms: Confusion, Weakness, and Vomiting

What to do:

Ask these questions to the Soldier or battle buddy:

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

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

## TRAINING SPECIALIST MESSAGE

### *Calling all trainees!!*

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

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

Bring your Task Book and Red Card with you.

### *Training watch out:*

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



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

*Dominic Panno*  
*Incident Training Specialist*

## Nor Cal #1

### Expectations for Operational Periods and Shift Length

- The expectations of the I.C. and the team are that all operational resources will proceed directly to their shift assignments at the conclusion of the operational briefing / division break-out. Individuals attending the briefing should attend dressed fire-ready (nomex pants and boots).
- ICS 204 Division Assignment Lists will display anticipated shift duration. The assigned Division Supervisor has the authority to modify these time frames as the situation dictates.
- A minimum of 1 meal break should be taken each day when the fire situation permits. When meals are not recorded, rationale is needed on the CTR. Non fireline assigned resources should plan for a 30 minute break every 6 hours when the situation permits. Command and General Staff will manage workloads to allow for breaks when appropriate.
- Individuals shall only drive if they have had at least 8 consecutive hours off duty before beginning a shift. *Example: if it becomes essential to work until 2300 hours, the individual should not return to duty before 0700 the following day.* Exceptions to this policy should only be to accomplish immediate and critical suppression objectives or critical firefighter / public safety missions as approved by the I.C.
- The Incident Management Organization is committed to a “zero tolerance” policy against inappropriate behavior during incident operations. We expect an attitude of mutual respect for all incident personnel and the public we serve. Any form of harassment, discriminatory practices, or disrespectful behavior will not be tolerated and will be dealt with appropriately. Illegal drug use or other illegal activities will not be tolerated and will be turned over to local law enforcement authorities. Alcohol is strictly prohibited from the fire camp and all other incident locations. Violation of these standards of conduct can result in prompt dismissal from the incident. Individuals who are aware of any inappropriate behavior of incident personnel should tell their supervisor or contact the Human Resource Specialist.







**UNIT LOG**

1. INCIDENT NAME

2. DATE PREPARED

3. TIME PREPARED

4. UNIT NAME/DESIGNATORS.

5. UNIT LEADER (NAME AND POSITION)

6. OPERATIONAL PERIOD

7. **PERSONNEL ROSTER ASSIGNED**

NAME

ICS POSITION

HOME BASE

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

TIME

MAJOR EVENTS

