

# **Nickowitz**

**Incident Action Plan**

**Sunday/Monday, August 23/24, 2015**

**Night Shift 1800 - 0800**



***We are ALL accountable for SAFETY***

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

**Six Rivers National Forest**

**Northern California Incident Management Team 1**



| INCIDENT OBJECTIVES  | 1. Incident Name<br>Nickowitz                              | 2. Date<br>08/23/2015   | 3. Time<br>1630 |   |  |   |   |  |   |   |                                  |   |
|--|--|---|-----------------|---|--|---|---|--|---|---|----------------------------------|---|
| <b>4. Operational Period</b><br>August 23-24, 2015 NIGHT SHIFT   |  |   |                 |   |  |   |   |  |   |   |                                  |   |
| <u><b>CONTROL OBJECTIVES</b></u><br>1) Keep the Nickowitz Fire: <ul style="list-style-type: none"> <li>• South of the 14N02 road.</li> <li>• North and West of the 13N01 road.</li> <li>• Within the Siskiyou Wilderness boundary to the west.</li> </ul><br><u><b>MANAGEMENT OBJECTIVES</b></u><br>1) Utilize a combination of direct and indirect tactics to provide for responder safety while minimizing responder exposure.<br>2) Engage tribal partners (Karuk and Yurok), agency partners and cooperators in management decisions to ensure timely communication and coordination.<br>3) Effectively manage cost by implementing strategies and tactics that have a high probability of success.<br>4) Emphasize operational safety through the Risk Management Process while protecting cultural and resource values and minimizing suppression impacts on the landscape.<br>5) Keep public informed with current and accurate fire information including all closures to assist in mitigating public safety concerns. |  |   |                 |   |  |   |   |  |   |   |                                  |   |
| <u><b>GENERAL SITUATIONAL AWARENESS</b></u><br>1) Keep fire South of 14N02 preventing it from establishing in the 2008 Blue/Siskiyou Incident to avoid long duration, costly fire operations.<br>2) Keep fire North & West of the 13N01 road to protect a tree plantations and cultural values.<br>3) Keep fire from spreading west outside of wilderness area & getting established onto state DPA, tribal lands and private timber company lands.  |  |   |                 |   |  |   |   |  |   |   |                                  |   |
| <b>6. Weather Forecast for Period</b> <ul style="list-style-type: none"> <li>• See attached weather forecast.</li> </ul>   |  |   |                 |   |  |   |   |  |   |   |                                  |   |
| <b>7. General Safety Message</b> <ul style="list-style-type: none"> <li>• See attached safety messages.</li> </ul>   |  |   |                 |   |  |   |   |  |   |   |                                  |   |
| <b>8. Attachments (mark if attached)</b> <table border="0" style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> Organization List - ICS 203</td> <td><input checked="" type="checkbox"/> Medical Plan - ICS 206</td> <td><input checked="" type="checkbox"/> Weather</td> </tr> <tr> <td><input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204</td> <td><input checked="" type="checkbox"/> Incident Map</td> <td><input checked="" type="checkbox"/> ICS215a</td> </tr> <tr> <td><input checked="" type="checkbox"/> Communications Plan - ICS 205</td> <td><input type="checkbox"/> ICS 220</td> <td><input type="checkbox"/> Rehab Considerations</td> </tr> </table>   |  |   |                 | <input checked="" type="checkbox"/> Organization List - ICS 203 | <input checked="" type="checkbox"/> Medical Plan - ICS 206 | <input checked="" type="checkbox"/> Weather | <input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204 | <input checked="" type="checkbox"/> Incident Map | <input checked="" type="checkbox"/> ICS215a | <input checked="" type="checkbox"/> Communications Plan - ICS 205 | <input type="checkbox"/> ICS 220 | <input type="checkbox"/> Rehab Considerations |
| <input checked="" type="checkbox"/> Organization List - ICS 203  | <input checked="" type="checkbox"/> Medical Plan - ICS 206 | <input checked="" type="checkbox"/> Weather                               |                 |   |  |   |   |  |   |   |                                  |   |
| <input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204  | <input checked="" type="checkbox"/> Incident Map           | <input checked="" type="checkbox"/> ICS215a                               |                 |   |  |   |   |  |   |   |                                  |   |
| <input checked="" type="checkbox"/> Communications Plan - ICS 205  | <input type="checkbox"/> ICS 220                           | <input type="checkbox"/> Rehab Considerations                             |                 |   |  |   |   |  |   |   |                                  |   |
| <b>9. Prepared by (Planning Section Chief)</b><br>Dave Sinclair <i>Dave Sinclair</i>   |  | <b>10. Approved by (Incident Commander)</b><br>Jay Kurth <i>Jay Kurth</i> |                 |   |  |   |   |  |   |   |                                  |   |





| <b>DIVISION ASSIGNMENT LIST</b>   |                  | 1. Branch  |                           | 2. Division/Group<br><b>A/Z</b> |                   |                  |
|---|------------------|--|---------------------------|---------------------------------|-------------------|------------------|
| 3. Incident Name<br><b>Nickowitz Fire</b>   |                  | 4. Operational Period: <b>Night</b><br>Date: August 23-24, 2015      Time: 1800-0800 |                           |                                 |                   |                  |
| 5. Operations Personnel   |                  |  |                           |                                 |                   |                  |
| Operations Section Chief  | Alec Lane        |  | Division/Group Supervisor | Craig Robertson                 |                   |                  |
| 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 |
| HC Mod Mt Hebron 71 (C-13)  | Eric Blankenship | 8/31   | 10                        | N                               | DP-5 / 1930       | DP-5 / Per Ops   |
| ENG6 Brush 42 (E-74)  | Kristy Olme      | 8/27   | 3                         | N                               | DP-5 / 1930       | DP-5 / Per Ops   |
| ENG6 Brush 72 (E-78)  | Bob Olme         | 8/27   | 3                         | N                               | DP-5 / 1930       | DP-5 / Per Ops   |
| ENG6 Brush 2 (E-82)   | Leroy Severson   | 8/27   | 3                         | N                               | DP-5 / 1930       | DP-5 / Per Ops   |
| SOFR O-249  | Rick Clarke      | 9/4  | 1                         | N                               | DP-6 / 1930       | DP-5 / Per Ops   |
| SOFR (t) O-262  | Bryan McLean     | 9/4  | 1                         | N                               | DP-6 / 1930       | DP-5 / Per Ops   |
| FEMP (O-130)  | Ryan Howard      | 9/2  | 1                         | N                               | DP-5 / 1930       | DP-5 / Per Ops   |
| FEMP (O-252)  | Ryan Schleiger   | 9/4  | 1                         | N                               | DP-5 / 1930       | DP-5 / Per Ops   |
|   |                  |  |                           |                                 |                   |                  |
|   |                  |  |                           |                                 |                   |                  |
| 7. Control Operations:<br>Patrol and Hold line.<br>Be prepared to burnout as directed by OPS.                             |                  |  |                           |                                 |                   |                  |
| 8. Special Instructions:<br>Medic 128 – Incident Ambulance spiked in G-O Staging area.<br>Utilize MIST in the Wilderness. |                  |  |                           |                                 |                   |                  |
| 9. Division Group Communication Summary   |                  |  |                           |                                 |                   |                  |
| Function  | Channel #        | Channel Name   | RX Frequency N/W          | RX Tone                         | TX Frequency N/W  | TX Tone          |
| Command   | 1                | NIFC C10   | 170.4125N                 |                                 | 165.9625N         | 127.3            |
| Command   | 2                | NIFC C12   | 173.0375N                 |                                 | 167.3250N         | 127.3            |
| Command   | 3                | NIFC C68   | 173.5500N                 |                                 | 165.7250N         | 127.3            |
| Tactical  | 4                | NIFC T5  | 166.7250N                 | 127.3                           | 166.7250N         | 127.3            |
| Air-To-Ground   | 9                | A/G  | 164.8625N                 |                                 | 164.8625N         |                  |
| Prepared by (Resource Unit Leader)<br>Alan Taylor (t)   |                  | Approved by (Planning Section Chief)<br>Dave Sinclear <i>Dave Sinclear</i>           |                           | Date<br>August 23, 2015         |                   | Time<br>1430     |

|   |                  |  |  |                           |                                 |                  |
|---|------------------|--|--|---------------------------|---------------------------------|------------------|
| <b>DIVISION ASSIGNMENT LIST</b>   |                  |  | 1. Branch  |                           | 2. Division/Group<br><b>B/C</b> |                  |
| 3. Incident Name<br><b>Nickowitz Fire</b>   |                  |  | 4. Operational Period: <b>Night</b><br>Date: August 22-23, 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 |
| ENG6 Renner Fire (E-83)   | Terry Nelson     | 8/27   | 3  | N                         | DP-6 / 1930                     | DP-6 / Per Ops   |
| ENG6 CO-PBC-6151 (E-77)   | Drew Gettel      | 8/27   | 3  | N                         | DP-6 / 1930                     | DP-6 / Per Ops   |
| ENG6 Longmont 2123 (E-81)   | Juan Salomon     | 8/27   | 3  | N                         | DP-6 / 1930                     | DP-6 / Per Ops   |
| ENG6 CO-FTC-36 (E-80)   | Steven Hernandez | 8/27   | 3  | N                         | DP-6 / 1930                     | DP-6 / Per Ops   |
| WT2 KNF 41 (E-58)   | Justin Wilson    | 8/25   | 1  | N                         | DP-6 / 1930                     | DP-6 / Per Ops   |
| WT2 STF 12 (E-60)   | Amanda Lindeman  | 8/25   | 2  | N                         | DP-6 / 1930                     | DP-6 / Per Ops   |
| STEN (O-61)   | Eric Ward        | 8/27   | 1  | N                         | DP-6 / 1930                     | DP-6 / Per Ops   |
| SOF2 (O-88.56) All Divisions  | Jeff Barnhart    | 8/28   | 1  | N                         | DP-6 / 1930                     | DP-6 / Per Ops   |
| FEMT (O-53)   | Greg Sawyer      | 8/23   | 1  | N                         | DP-6 / 1930                     | DP-6 / Per Ops   |
| FEMP (O-169)  | Jason Chaney     | 9/1  | 1  | N                         | DP-6 / 1930                     | DP-6 / Per Ops   |
| 7. Control Operations:<br>Patrol and Hold line.<br>Be prepared to burnout as directed by OPS.                             |                  |  |  |                           |                                 |                  |
| 8. Special Instructions:<br>Medics 128- Incident Ambulance spiked in G-O staging area.<br>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   | 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            |
| Air-To-Ground   | 9                | A/G CMD  | 164.8625N  |                           | 164.8625N                       |                  |
| Prepared by (Resource Unit Leader)<br>Alan Taylor (†)   |                  | Approved by (Planning Section Chief)<br>Dave Sinclear <i>Dave Sinclear</i> |  | Date<br>August 23, 2015   |                                 | Time<br>1430     |



## INCIDENT Weather Forecast



**FORECAST NO: 7**  
**PREDICTION FOR: Night Shift**  
**SHIFT DATE: Sunday-Monday 8/23-24/2015**  
**ISSUED: Sunday 8/23/2015 at 1200**

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

### WEATHER DISCUSSION:

Upper level high pressure centered over the great basin and a trough of low pressure over the Northeast Pacific Ocean will keep the area in a predominant southwest flow for the next several days. Overall expecting humidity recovery to be moderate through the night with division Zulu seeing higher humidity versus the remainder of the fire. An upper level disturbance will eject out of the trough tonight and possibly generate some gusty winds on the ridges. Other weak disturbances are expected to pass through over the next several days but little precipitation is expected. The main effect from these systems will be to bring stronger winds which may help alleviate some of the smoke concerns.

### WEATHER FORECAST FOR TONIGHT:

**WEATHER:** Clear with areas of smoke.

**TEMPERATURES:** 1800 - 3000 feet: 60 to 65, Over 3000 feet: 55 to 60

**MAXIMUM HUMIDITY:** Ridges: 44 to 48%, Valleys: 67 to 74%

#### **20 FT WINDS:**

**RIDGETOP:** West 5 to 7 mph, becoming 2 to 4 mph after midnight..

**SLOPE/VALLEY:** West 4 to 8 mph, becoming down slope / down valley after midnight.

**CWR:** 0%

**LAL:** 1

**HAINES INDEX:** 2

### WEATHER FORECAST FOR MONDAY:

**WEATHER:** Partly sunny with areas of smoke.

**TEMPERATURES:** 1800 - 3000 feet: 81 to 86, Over 3000 feet: 79 to 83

**MINIMUM HUMIDITY:** Ridges: 24 to 28%, Valleys: 20 to 24%

#### **20 FT WINDS:**

**RIDGETOP:** Southwest 5 to 8 mph.

**SLOPE/VALLEY:** Up slope / up valley 2 to 4 mph in the morning, becoming west 5 to 8 mph

**CWR:** 0%

**LAL:** 1

**HAINES INDEX:** 3

**STABILITY / INVERSION:** Inversion not breaking until mid afternoon.

### WEATHER FORECAST FOR MONDAY NIGHT:

**WEATHER:** Partly cloudy with areas of smoke.

**TEMPERATURES:** 1800 - 3000 feet: 59 to 64, Over 3000 feet: 54 to 59

**MAXIMUM HUMIDITY:** Ridges: 43 to 47%; Valleys: 70 to 75%

#### **20 FT WINDS:**

**RIDGETOP:** Southwest 5 to 7 mph, becoming 2 to 4 mph after midnight..

**SLOPE/VALLEY:** Southwest 4 to 8 mph, becoming down slope / down valley after midnight.

**CWR:** 0%

**LAL:** 1

**HAINES INDEX:** 2

### EXTENDED FORECAST: Tuesday through Thursday

**Tuesday:** Mostly Clear. Lows 53 to 58. Highs 80 to 85. Minimum humidity 22 to 32. Southwest wind around 10 mph.

**Wednesday:** Mostly Clear. Lows 52 to 56. Highs 82 to 87. Minimum humidity 20 to 30%. Southwest wind around 5 mph.

**Thursday:** Partly cloudy. Lows 54 to 59. Highs 81 to 86. Minimum humidity 23 to 28%. West winds around 5 mph/

## FIRE BEHAVIOR FORECAST

|   |   |
|---|---|
| <b>FORECAST NUMBER:</b> 16              | <b>TYPE OF FIRE:</b> Wildland Fire                    |
| <b>FIRE NAME:</b> Nickowitz             | <b>OPERATIONAL PERIOD:</b> 8/23 to 8/24, 1800 to 0600 |
| <b>DATE ISSUED:</b> 8/23/15             | <b>TIME ISSUED:</b> 1200                              |
| <b>UNIT:</b> Six Rivers National Forest | <b>SIGNED:</b> /s/ John Wood FBAN                     |

### INPUTS

**WEATHER SUMMARY:** Upper level high pressure centered over the great basin and a trough of low pressure over the Northeast Pacific Ocean will keep the area in a predominant southwest flow for the next several days. Overall expecting humidity recovery to be moderate through the night with division Zulu seeing higher humidity versus the remainder of the fire. An upper level disturbance will eject out of the trough tonight and possibly generate some gusty winds on the ridges. Other weak disturbances are expected to pass through over the next several days but little precipitation is expected. The main effect from these systems will be to bring stronger winds which may help alleviate some of the smoke

Expect maximum temperatures Valleys: 60-65 degrees, Ridges: 55-60 degrees. Minimum humidity, Ridges 44-48% Valleys: 67-74%. Ridges; West 5-7 mph becoming 2-4 mph after midnight. Valleys: West 4-8 mph becoming down slope, down valley after midnight.

### OUTPUTS

**GENERAL:** Look for the return of the marine influence bringing in good recoveries up to around 2200 feet or so. It will take longer for areas east and areas above 2200 feet to receive the influence. The northwest portion of the fire will continue to see the influence from the marine layer the earliest with good recoveries increasing light fuel moistures. Southwest winds aloft assisted early clearing but smoke should begin to settle back in later this afternoon. Above the inversion burning may be better earlier in the shift and as the morning approaches ignition operations conditions will deteriorate. Below 2200 feet ignition operations will be influenced by the good recoveries and light fuels may not carry fire. Backing/Flanking rate of spread around 1-2 ch/hr, flame lengths 1-2 feet. Head fire timber understory rate of spread 4-6 ch/hr flame lengths around 5 feet, timber litter rate of spread 2-4 ch/hr, flame lengths 2-3 feet. **ERC 50 BI 54**

**SPECIFIC:** Fine fuel moisture 11% Probability of ignition 70-20% Spot distance around 1/4 mile.

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

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

**Division C:** Fire may pick up this evening as surface heating tries to move the inversion out. Fire will continue to spread up slope and will continue to move westward toward the available fuel. With favorable burning conditions the fire could reach the 113N01 road near Barren staging during the shift. Under predicted conditions fire activity near the 13N01 road would be low to moderate.

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

**Division Z:** Firing operations may be hindered by improved recoveries as leaf litter will respond to higher humidity as operations move farther down into the drainage. Wind could be channeled up the Blue Creek drainage giving upslope wind in the area of the burnout. Good recoveries and up canyon up slope winds will slow westward spread. Fire spread will be mostly flanking and backing as fire spreads toward the west and down into Nickowitz creek.

### AIR OPERATIONS

Expect a hazy start to the shift and clearing overnight as the inversion settles below the terrain.

### Safety Message

LCES is a quick and convenient reminder of critical tasks that need to be complete before engaging in suppression actions. Communication is the key that makes it work. Talk with crewmembers and ensure they are aware, coordinate with adjoining resources about the plan and confirm with supervisors that each piece is in place.



**INCIDENT RADIO COMMUNICATIONS PLAN**

Incident Name

**NICKOWITZ CA-SRF-001470**

Date/Time Prepared

08-23-15 1200

Operational Period Date/Time

1800-0600 08-23/24-15

**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      | DIVISION A/Z        | 166.7250N      | 127.3   | 166.7250N      | 127.3   | A    |   |
| 5    | TACTICAL           | NIFC T7      | DIVISION B/C        | 168.2500N      | 127.3   | 168.2500N      | 127.3   | A    |   |
| 6    | TACTICAL           | R5 TAC5      | UNASSIGNED          | 167.1125N      | 127.3   | 167.1125N      | 127.3   | A    | NOTE: TX TONES ON ALL CHANNELS                              |
| 7    | TACTICAL           | NIFC T1      | UNASSIGNED          | 168.0500N      | 127.3   | 168.0500N      | 127.3   | A    | ARE HARD CODED  |
| 8    | TACTICAL           | NIFC T3      | UNASSIGNED          | 168.6000N      | 127.3   | 168.6000N      | 127.3   | A    | KEYPAD SELECTION NOT REQUIRED                               |
| 9    | AIR-TO-GROUND      | AIG          | ALL DIVISIONS       | 164.8625N      |         | 164.8625N      |         | A    |   |
| 10   | UNASSIGNED         | AIG TAC      | UNASSIGNED          |                |         |                |         | 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       | 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

Incident Location

Rick Cartocelli, COML NorCal IMT 1

ICS 205 - 2007H

SIX RIVERS NATIONAL FOREST

# MEDICAL PLAN (ICS 206 WF)

|   |   |  |                              |                                       |   |                                       |   |                                    |  |
|---|---|--|------------------------------|---------------------------------------|---|---------------------------------------|---|------------------------------------|--|
| 1. Incident/Project Name  |   |  |                              | 2. Operational Period                 |   |                                       |   |                                    |  |
| <b>NICKOWITZ FIRE</b>   |   |  |                              | Date/Time <b>8/23/15 1800-0800</b>    |   |                                       |   |                                    |  |
| 3. Ambulance Services   |   |  |                              |                                       |   |                                       |   |                                    |  |
| Name  | Location                                      | Phone & EMS Frequency                    |                              | Advanced Life Support (ALS)<br>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<br>Degrees Decimal Minutes |  | Travel Time<br>Air Gnd       |                                       | Phone                                     | Helipad<br>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<br>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:<br>Lat: / Long:   |   |  |                              |                                       |   |                                       |   |                                    |  |
| Helispot:<br>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  |   |  |                              |                                       |   |                                       |   |                                    |  |
| <b>Nickowitz Medical Unit– ICP Orleans</b><br>N41°18.518<br>W123°31.511       |   | Point of Contact:                        |                              |                                       | MEDL – Clayton Thomas 530-906-6964        |                                       |   |                                    |  |
|   |   | EMS Responders & Capability:             |                              |                                       | Frontline Medical – Advanced Life Support |                                       |   |                                    |  |
|   |   | Equipment Available on Site:             |                              |                                       | Medical supplies                          |                                       |   |                                    |  |
|   |   | Ambulance ETA :                          |                              |                                       | Air – 55 min. Ground – 35 min.            |                                       |   |                                    |  |
| 8. Prepared By (Medical Unit Leader)  |   |  |                              | 9. Date/Time                          |   | 10. Reviewed By (Safety Officer)      |   | 11. Date/Time                      |  |
| Leon Murphy- MEDL(t) 386-208-3083<br><i>Leon Murphy</i>                       |   |  |                              | 8/23/15 0930                          |   | Michele Tanzi<br><i>Michele Tanzi</i> |   | 8/23/15 0930                       |  |

# 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 Life threatening injury or illness.</b><br><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 Serious Injury or illness.</b><br><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><br><i>Not a life threatening injury or illness. Ex: Sprains, strains, minor heat-related illness.</i>  | Non-Emergency. Evacuation considered <b>Route of Convenience.</b>                            |

**5. TRANSPORT PLAN:**

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

Helispot                       Short-haul/Hoist                       Life Flight                       Other

**Ground Transport:**

Self-Extract                       Carry-Out                       Ambulance                       Other

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

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

**7. COMMUNICATIONS:**

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

**8. EVACUATION LOCATION:**

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

**9. CONTINGENCY:** *If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Bethingking 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)**  
**Night Shift, August 23/24, 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>* <b>Minimum</b> 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; it's effect on Fire behavior when the extraction point is next to the active fires edge.</b></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 the 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 backer.</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)  
Night Shift, August 23/24, 2015**

|  |  |   |  |
|--|--|---|--|
| C, Z   | <b>Firing Operations</b>   | <ul style="list-style-type: none"> <li>• Identify the <b>Firing Boss &amp; Holding Boss</b> and make it known to all.</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 Hyponutremia (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, Ticks, Scorpions, 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>• Leave wildlife alone. <b>Backhaul ALL Trash please.</b></li> </ul>  |  |
| ALL  | <b>Complacency</b>   | <ul style="list-style-type: none"> <li>• <b>Maintain focus! The job isn't done till we're home with our families</b></li> <li>• <b>Don't let your operations fall into the "routine" category.</b></li> <li>• Maintain situational awareness in all activities.</li> <li>• The first step to an accident involves the false belief that experience makes you invulnerable.</li> </ul>   |  |
| INCIDENT NAME<br><b>Nickowitz Fire</b><br><br>ICS 215a |  | DATE PREPARED:<br><b>August 23, 2015</b>  | OPERATIONAL PERIOD<br><b>Night Shift<br/>8/23-24/2015,</b><br>Prepared by: Tanzi – SOF1,<br>Barnhart – SOF2,<br>Mackensen – SOF2 |
|  |  | TIME PREPARED: <b>1200 HOURS</b>  |  |



**Today's discussion is from the  
Fireline Safety Category.**

### **COMMON DENOMINATORS OF FIRE BEHAVIOR ON TRAGEDY FIRES**

Five common denominators that contribute to accidents/incidents have been identified through studies of tragedy fires. It is important for firefighters to readily recognize the following common denominators so that future tragedies can be prevented:

- Most incidents happen on smaller fires or on isolated portions of larger fires.
  
- Most fires are innocent in appearance before unexpected shifts in wind direction and/or speed results in flare-ups or extreme fire behavior. In some cases, tragedies occur in the mop-up stage.
  
- Flare-ups generally occur in deceptively light fuels, such as grass and light brush.
  
- Fires run uphill surprisingly fast in chimneys, saddles, gullies, and on steep slopes.
  
- Some suppression tools, such as helicopters or airtankers, can adversely affect fire behavior. The blasts of air from low-flying helicopters and airtankers have been known to cause flare-ups.

#### References:

Incident Response Pocket Guide pg 4  
Fireline Handbook  
Common Denominators PowerPoint

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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**

## 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.

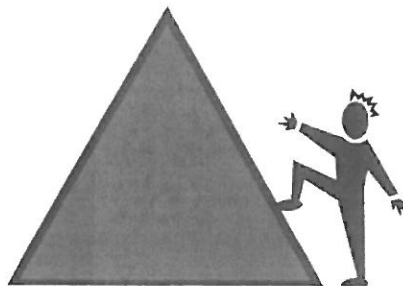
Inhaling carbon monoxide decreases the body's oxygen supply. This can cause headaches, reduce alertness, and aggravate a heart condition known as angina. Fine particles are able to travel deeply into the respiratory tract, reaching the lungs. Inhaling fine particles can cause a variety of health effects, 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

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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.*

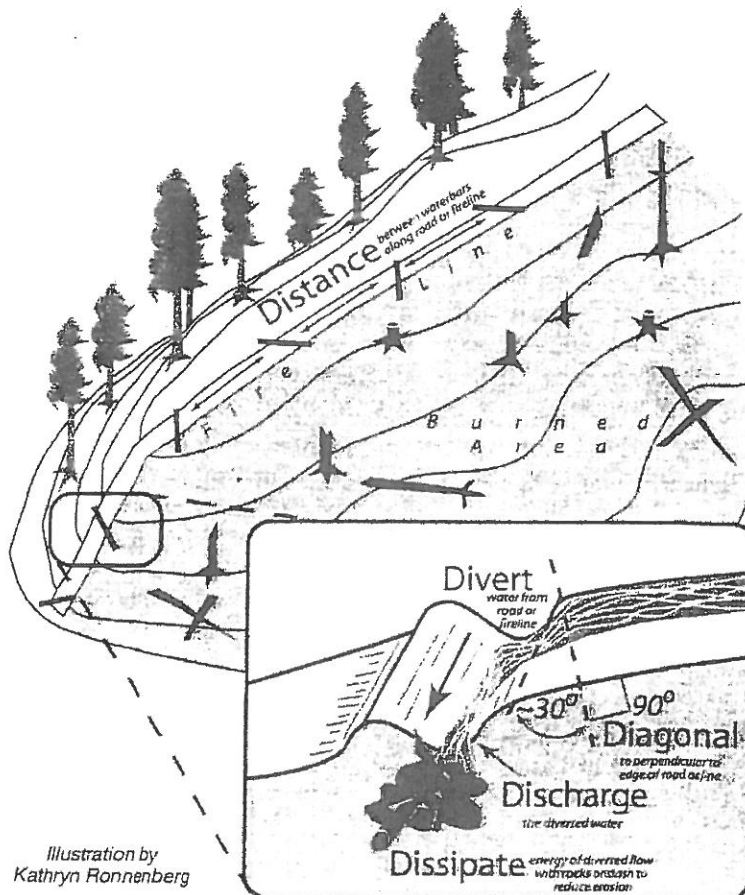
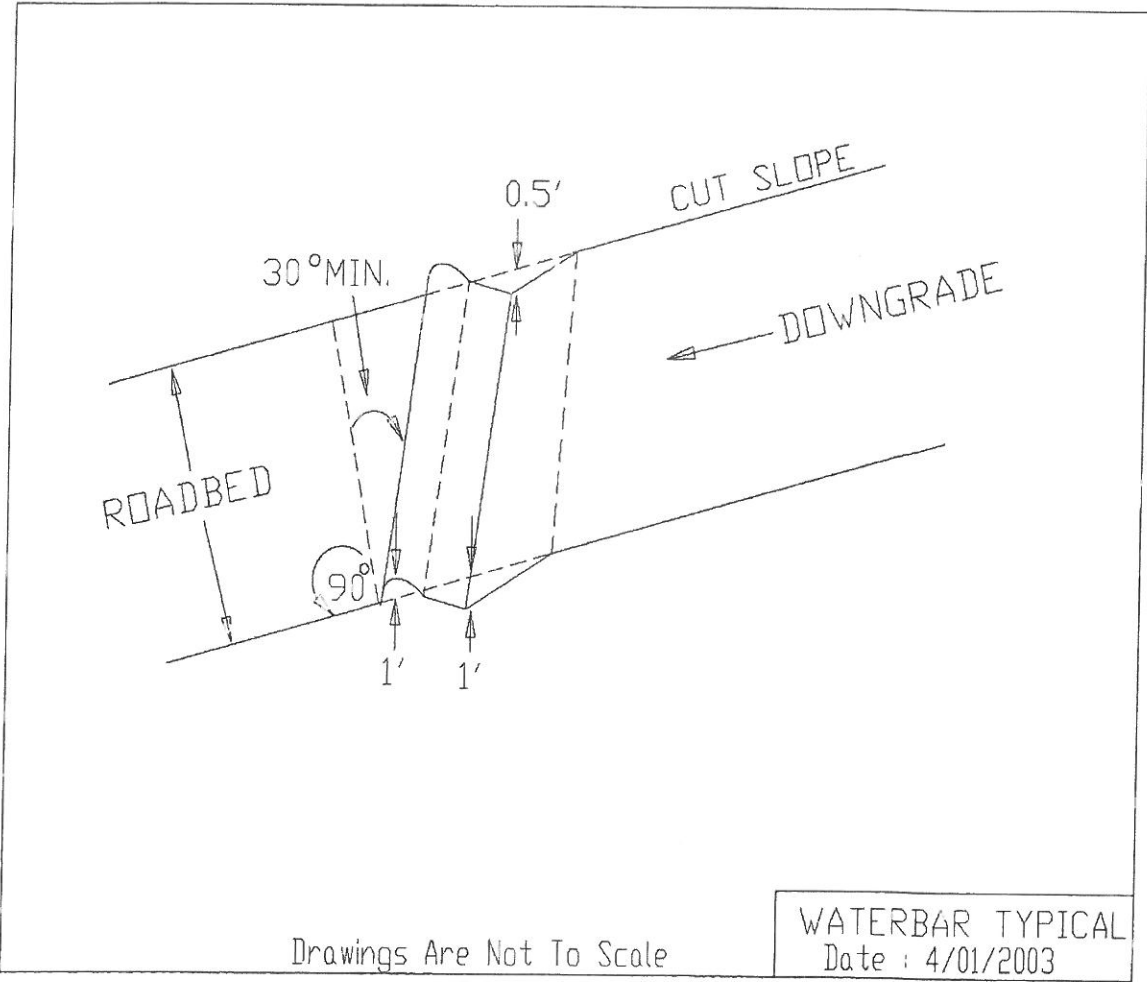


Illustration by Kathryn Ronnenberg



## 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  | Amount |
|---|---|--------|
| 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. |        |

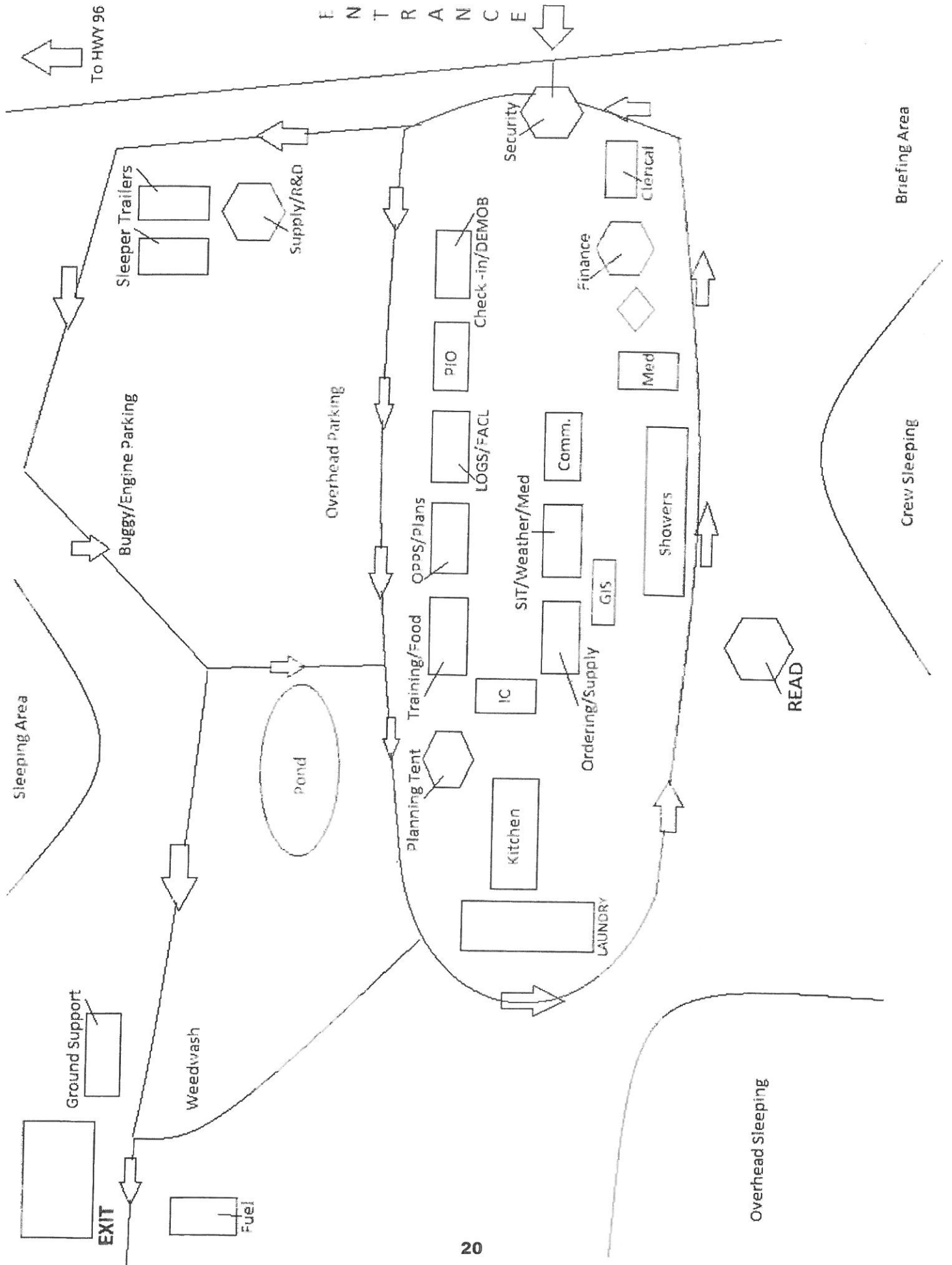
Notes: \_\_\_\_\_

Notes: \_\_\_\_\_









## 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!!!!**



