

# McDonald Incident

## Incident Action Plan

July 31, 2010

0600-2100

### Red Flag Warning

- High winds and low RH
- The environment mandates that you stay hydrated

### Fireline Medical Emergencies

- Winds may affect EMS Helicopter's ability to complete the mission
- Plan for alternate methods to move patient off the fireline
- Use Injury Communications Protocol as a Guide

### Driving



- Drive Slowly on fire access roads
  - Use a spotter as necessary
- Keep speed down on Juniper Ridge Rd. to help control dust

Maintain your LCES and follow the 10 Standard Fire Orders

CA-NOB-3688 FNP8/PDFNP8 (1502)

BLM Northern California District

Northern California Incident Management Team 1

<b>INCIDENT OBJECTIVES</b>		1. Incident Name		2. Date Prepared		3. Time Prepared	
ICS 202		<b>McDonald Incident</b>		<b>07/30/2010</b>		<b>2100</b>	
4. Operational Period							
<b>07/31/2010 Day Shift 0600 - 2100</b>							
5. General Control Objectives for the Incident (include alternatives)							
<ol style="list-style-type: none"> <li>1. Provide for public and firefighter safety through application of the Risk Management Process.</li> <li>2. Keep fire west of Cold Springs Road.</li> <li>3. Protect high value wildlife habitat (sage grouse NE of fire, Pronghorn antelope, mule deer) by using direct attack methods where possible.</li> <li>4. Large islands of sagebrush between fireline and already burned areas should not be burned out.</li> </ol>							
6. Weather Forecast for Period							
See attached spot weather forecast							
7. General Safety Message							
8. Attachments							
x	Organization List-ICS 203	x	Air Ops Plan ICS-220	x	Fire Weather Forecast		
x	Division Assignment List-ICS 204	x	Incident Map	x	Fire Behavior Forecast		
x	Communications Plan-ICS 205		Traffic Plan	x	Unit Log ICS-214		
x	Medical Plan-ICS 206	x	Safety Message		Vicinity Map		
9. Prepared by				10. Approved by (Incident Commander)			
Valery Lambeth 				Kent Swartzlander 			

<b>ORGANIZATION ASSIGNMENT LIST</b>		<b>9. Operations Section</b>	
1. Incident Name <b>McDonald Incident</b>		Operations Day Night	Alec Lane / Robin Wills (T) Steve Burns
2. Date <b>July 30, 2010</b>		3. Time <b>2100</b>	
4. Operational Period <b>Day July 31, 2010, 0600 - 2100</b>		a. Branch 1 - Division/Groups	
Position		Name	
5. Incident Commander and Staff		Branch Director	
Incident Commander	Kent Swartzlander / Mike Minton (T)	<b>DAY</b>	
Deputy	Paul Whitcome	Division/Group A	Greg Moon
Safety Officer	Michele Tanzi / Rich Rubin / Dave Kirste	Division/Group B	Randy Jennings
Information Officer	Yvonne Jones / Phyllis Swanson / Jim Mackensen (T) / Donna Sager	Division/Group C	Seth O'Dell
Liaison Officer		Division/Group D	Paul Johnson/Bob Beebe (T)
6. Agency Representative		Division/Group Y	Dave McCandliss/Joe Johnson (T)
Agency Admin	Nancy Haug	Division/Group Z	Ed Merrill
Agency Admin Rep	Alan Uchida	b. Branch 2 - Division/Groups	
Resource Advisor	Mike Dolan	Branch Director	
		<b>NIGHT</b>	
		Division/Group A	Jim Yacoub
		Division/Group B	Roy Geer
		Division/Group C	Chris Stevens / Arron Schuh / Julia Martin (T)
		Division/Group D	Alex McBath
		Division/Group Y	
		Division/Group Z	
7. Planning Section		c. Branch III - Division/Groups	
Chief	Valery Lambeth / Lance Noxon (T)	Branch Director	
Deputy	Dave Sinclair	Deputy	
Resources Unit	Rita Mustafia / Lou Ann Charbonnier	Division/Group	
Situation Unit	Chris Wikeen / Melissa Hennessey (T)	Division/Group	
Documentation Unit		Division/Group	
Demobilization Unit	Gary Debol	Division/Group	
Technical Specialists		d. Air Operations Branch	
Human Resources		Air Operations Branch Director	
Training	Dominic Panno	Air Attack Supervisor	
CTSP	George Steel	Air Support Supervisor	
GIS	Kyle Felker / Karl Todd/Trisha Bauer (T)	Helicopter Coordinator	
FBAN	Bob Patton	Air Tanker Coordinator	
IMET	Jon Bonk	10. Finance Section	
8. Logistics Section		Chief	
Chief	Paul Montgomery	Deputy	
Deputy	Mike Jellison / Brett Shurr (T)	Time Unit	
Supply Unit / Ordering	Tom Charlton	Procurement Unit	
Facilities Unit	Frank DeCarlo / Jeff Huhtala	Compensation/Claims Unit	
Ground Support Unit	Harry Zabel / John Camacho	Cost Unit	
Communications Unit	Rick Cartoscelli / Phil Shafer	Sissy Hoaglen	
Medical Unit	Josh Ramey		
Receiving & Distribution	Ron Pierce / Fred Johnson	Prepared by (Resource Unit Leader)	
Security Unit	Elizabeth Kurpies	L. Charbonnier	
Food Unit	Jay Westlake		

<b>Division Assignment List</b>		1. Branch		2. Division/Group <b>A</b>			
3. Incident Name MCDONALD (W-23)		4. Operational Period 07/31/10 Saturday Day Shift 0600 - 2100					
5. Operations Personnel							
Operations Chief	ALEC LANE; ROBIN WILLS (t)		Division/Group Supervisor		GREG MOON		
Planning Operations Chief	PETE DUNCAN		Air Attack Supervisor				
Branch Director			Safety Officer		MICHELE TANZI; RICH RUBIN; DAVE KIRSTE		
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time		
GRANITE MT IHC	ERIC MARSH	19	N	Per DIVS	Per DIVS		
ALMANOR CREW 1	JERICK DOMINGUES	11	N	Per DIVS	Per DIVS		
EAGLE LAKE CREW 2 T2IA	ROBERT S BROWN	21	N	Per DIVS	Per DIVS		
FUELS CREW 3266/3265	ROBERT PRESTON	22	N	Per DIVS	Per DIVS		
HIA ENGINE 9532	WILLIAM CARPENTER	5	N	Per DIVS	Per DIVS		
HIA ENGINE 9531	NELS NELSON	5	N	Per DIVS	Per DIVS		
SOFR (A/B)	KEN KUMPE	1	N	Per DIVS	Per DIVS		
EMTP (A/Z)	CHAD MC CALL	1	N	Per DIVS	Per DIVS		
EMTB (A/Z)	MELANIE HORNSBY	1	N	Per DIVS	Per DIVS		
7. Control Operations - Secure line and mop-up 100' in. - Water-bar handlines.							
8. Special Instructions - Crews to fly to H1, Report to Helibase at 0800. - Backhaul all trash and unused equipment.							
9. Division/Group Communications Summary							
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System Channel	
Command	168.0750 N	170.4250 N	3	NIFC	1		
Tactical Div/Group	168.0500 N	168.0500 N		NIFC	5		
Logistics							
Air to Ground	168.5375	168.5375		NIFC	12		
Prepared by (Resource Unit Leader) L. Charbonnier		Approved by (Planning Section Chief) <i>DA Simola</i>		Date Prepared 07/30/10		Time Prepared 2100	

<b>Division Assignment List</b>	1. Branch	2. Division/Group
		<b>B</b>

3. Incident Name MCDONALD (W-23)	4. Operational Period 07/31/10 Saturday Day Shift 0600 - 2100
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5. Operations Personnel

Operations Chief	ALEC LANE; ROBIN WILLS (t)	Division/Group Supervisor	RANDY JENNINGS
Planning Operations Chief	PETE DUNCAN	Air Attack Supervisor	
Branch Director		Safety Officer	MICHELE TANZI; RICH RUBIN; DAVE KIRSTE

6. Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
TAHOE IHC	RICK COWELL	21	N	Per DIVS	Per DIVS
GLOBE IHC	MARK BABIERACKI	23	N	Per DIVS	Per DIVS
SOFR (A/B)	KEN KUMPE	1	N	Per DIVS	Per DIVS

7. Control Operations

- Secure line and mop-up 100' in.
- Water-bar handlines.

8. Special Instructions

- Backhaul all trash and unused equipment

9. Division/Group Communications Summary

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	168.0750 N	170.4250 N	3	NIFC	1		
Tactical Div/Group	168.6000 N	168.6000 N		NIFC	6		
Logistics							
Air to Ground	168.5375	168.5375		NIFC	12		

Prepared by (Resource Unit Leader) L. Charbonnier	Approved by (Planning Section Chief) <i>DA Sinclair</i>	Date Prepared 07/30/10	Time Prepared 2100
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<b>Division Assignment List</b>	1. Branch	2. Division/Group <b>C</b>
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3. Incident Name MCDONALD (W-23)	4. Operational Period 07/31/10 Saturday Day Shift 0600 - 2100
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**5. Operations Personnel**

Operations Chief	ALEC LANE; ROBIN WILLS (t)	Division/Group Supervisor	SETH ODELL
Planning Operations Chief	PETE DUNCAN	Air Attack Supervisor	
Branch Director		Safety Officer	MICHELE TANZI; RICH RUBIN; DAVE KIRSTE

**6. Resources Assigned this Period**

Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
HAT CREEK CREW 3	CHARLES LUBCHENKO	11	N	Per DIVS	Per DIVS
PLEASANT VALLEY T2IA	PATRICK J MOORE	22	N	Per DIVS	Per DIVS
LNf ENGINE 83	CHRIS WATKINS	5	N	Per DIVS	Per DIVS
LNf ENGINE 32	RICHARD DAVIS	5	N	Per DIVS	Per DIVS
LNf ENGINE 16	JEFF ST CLAIR	5	N	Per DIVS	Per DIVS
LNf ENGINE 36	RAY DOMBROSKI	5	N	Per DIVS	Per DIVS
STCR	JOHN WARD	1	N	Per DIVS	Per DIVS
STCR (t)	JOEL SCHILLING	1	N	Per DIVS	Per DIVS
SOFR (C/D)	PEDRO MARTINEZ	1	N	Per DIVS	Per DIVS
EMTB (C/D)	MATT READ	1	N	Per DIVS	Per DIVS
EMTP (C/D)	MIKE FINCHAN	1	N	Per DIVS	Per DIVS
WT	TBA	1	N	Per DIVS	Per DIVS
WT	TBA	1	N	Per DIVS	Per DIVS

7. Control Operations  
 - Secure line and mop-up 100' in.  
 - Water-bar handlines.

8. Special Instructions  
 - Backhaul all trash and unused equipment.

**9. Division/Group Communications Summary**

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	168.0750 N	170.4250 N	3	NIFC	1		
Tactical Div/Group	167.1125 N	167.1125 N		NIFC	9		
Logistics							
Air to Ground							

Prepared by (Resource Unit Leader) L. Charbonnier	Approved by (Planning Section Chief) <i>DA Sinclair</i>	Date Prepared 07/30/10	Time Prepared 2100
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<b>Division Assignment List</b>	1. Branch	2. Division/Group <b>D</b>
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3. Incident Name MCDONALD (W-23)	4. Operational Period 07/31/10 Saturday Day Shift 0600 - 2100
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5. Operations Personnel

Operations Chief	ALEC LANE; ROBIN WILLS (t)	Division/Group Supervisor	PAUL JOHNSON; BOB BEEBE (t)
Planning Operations Chief	PETE DUNCAN	Air Attack Supervisor	
Branch Director		Safety Officer	MICHELE TANZI; RICH RUBIN; DAVE KIRSTE

6. Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
TRUCKEE IHC	BOBBY HUBBY	21	N	Per DIVS	Per DIVS
ELDORADO IHC	BILL HARRIS	23	N	Per DIVS	Per DIVS
MENDOCINO IHC	JON TISHNER	20	N	Per DIVS	Per DIVS
PNF DOZER 2	TRAVIS ADAMS	2	N	Per DIVS	Per DIVS
DOZB	LUCAS MINTON	1	N	Per DIVS	Per DIVS
DOZB (t)	SEAN COX	1	N	Per DIVS	Per DIVS
NOD ENGINE 3235	JASON KAMMANN	5	N	Per DIVS	Per DIVS
NOD ENGINE 3234	JASON HAYS	5	N	Per DIVS	Per DIVS
SRF ENGINE 22	SHAWN O'CONNELL	5	N	Per DIVS	Per DIVS
SOFR (C/D)	PEDRO MARTINEZ	1	N	Per DIVS	Per DIVS
EMT-B (C/D)	READ, MATT	1	N	Per DIVS	Per DIVS
EMT-P (C/D)	MIKE FINCHAN	1	N	Per DIVS	Per DIVS

7. Control Operations  
 - Secure line and mop-up 100' in.  
 - Water-bar handlines.

8. Special Instructions  
 - Backhaul all trash and unused equipment.

9. Division/Group Communications Summary

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	168.0750 N	170.4250 N	3	NIFC	1		
Tactical Div/Group	166.7750 N	166.7750 N		NIFC	9		
Logistics							
Air to Ground	168.5375	168.5375		NIFC	12		

Prepared by (Resource Unit Leader) L. Charbonnier	Approved by (Planning Section Chief) <i>DA Sandoz</i>	Date Prepared 07/30/10	Time Prepared 2100
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<b>Division Assignment List</b>	1. Branch	2. Division/Group
		<b>Y</b>

3. Incident Name MCDONALD (W-23)	4. Operational Period 07/31/10 Saturday Day Shift 0600 - 2100
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**5. Operations Personnel**

Operations Chief	ALEC LANE; ROBIN WILLS (t)	Division/Group Supervisor	DAVE MCCANDLISS; JOE JOHNSTON (t)
Planning Operations Chief	PETE DUNCAN	Air Attack Supervisor	
Branch Director		Safety Officer	MICHELE TANZI; RICH RUBIN; DAVE KIRSTE

**6. Resources Assigned this Period**

Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
DIAMOND MT IHC	DAN VARNEY	19	N	Per DIVS	Per DIVS
KLAMATH IHC	JOHNNY CLEM	22	N	Per DIVS	Per DIVS
LASSEN IHC	BREWSTER, FRED	22	N	Per DIVS	Per DIVS
ENGINE - T3 - 8430	ARENDR, ANTHONY	5	N	Per DIVS	Per DIVS
BLM DOZER		1	N	Per DIVS	Per DIVS
PNF DOZER 2		1	N	Per DIVS	Per DIVS
DOZB	MUELLER, DAREN	1	N	Per DIVS	Per DIVS
SOFR (Y/Z)	PEAY, CLIFF	1	N	Per DIVS	Per DIVS

7. Control Operations  
Secure Line and mop-up 100 feet in.

8. Special Instructions  
  
Waterbar handlines.  
Backhaul all trash and unused equipment.

**9. Division/Group Communications Summary**

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	168.0750 N	170.4250 N	3	NIFC	1		
Tactical Div/Group	166.7250 N	166.7250 N		NIFC	8		
Logistics							
Air to Ground	168.5375	168.5375		NIFC	12		

Prepared by (Resource Unit Leader) Rita Mustatia	Approved by (Planning Section Chief) <i>DA Sinclair</i>	Date Prepared 07/30/10	Time Prepared 2100
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<b>Division Assignment List</b>	1. Branch	2. Division/Group <b>Z</b>
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3. Incident Name MCDONALD (W-23)	4. Operational Period 07/31/10 Saturday Day Shift 0600 - 2100
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5. Operations Personnel

Operations Chief	ALEC LANE; ROBIN WILLS (t)	Division/Group Supervisor	MERRILL, ED; BOESPFLUG, CASEY B
Planning Operations Chief	PETE DUNCAN	Air Attack Supervisor	
Branch Director		Safety Officer	MICHELE TANZI; RICH RUBIN; DAVE KIRSTE

6. Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
BLUE RIDGE T2IA	BRIAN FRISBY	21	N	Per DIVS	Per DIVS
MORMON LAKE IHC	MATT CAOQUETTE	20	N	Per DIVS	Per DIVS
ENGINE S/T - T3 - 1652 C	CHARLIE GLENDENNING	27	N	Per DIVS	Per DIVS
WT	TBA			Per DIVS	Per DIVS
WT	TBA			Per DIVS	Per DIVS
EMT-B (A/Z)	MELANIE HORNSBY	1	N	Per DIVS	Per DIVS
EMT-P (A/Z)	CHAD MCCALL	1	N	Per DIVS	Per DIVS
SOFR (Y/Z)	PEAY, CLIFF	1	N		

7. Control Operations  
Secure Line and mop-up 100 feet in.

8. Special Instructions  
Waterbar handlines.  
Backhaul all trash and unused equipment.

9. Division/Group Communications Summary

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	168.0750 N	170.4250 N	3	NIFC	1		
Tactical Div/Group	164.1375 N	164.1375 N		NIFC	7		
Logistics							
Air to Ground	168.5375	168.5375		NIFC	12		

Prepared by (Resource Unit Leader) Rita Mustatia	Approved by (Planning Section Chief) <i>DA Sinclair</i>	Date Prepared 07/30/10	Time Prepared 2100
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<b>Division Assignment List</b>	1. Branch	2. Division/Group <b>Rehab</b>
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3. Incident Name MCDONALD (W-23)	4. Operational Period 07/31/10 Saturday Day Shift 0600 - 2100
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5. Operations Personnel					
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Operations Chief	ALEC LANE; ROBIN WILLS (t)	Division/Group Supervisor	
Planning Operations Chief	PETE DUNCAN	Air Attack Supervisor	
Branch Director		Safety Officer	MICHELE TANZI; RICH RUBIN; DAVE KIRSTE

6. Resources Assigned this Period					
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Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
READ	MIKE DOLAN	1	N		
READ (T)	KATHREEN DYER	1	N		
ARCH	SPENCER PELTON	1	N		

7. Control Operations					
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Scout lines DIV A, B & Contingency line.

8. Special Instructions					
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9. Division/Group Communications Summary							
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Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	168.0750 N	170.4250 N	3	NIFC	1		
Tactical Div/Group							
Logistics							
Air to Ground	168.5375	168.5375		NIFC	12		

Prepared by (Resource Unit Leader) Gary R. Deboi	Approved by (Planning Section Chief) Valery Lambeth	Date Prepared 07/30/10	Time Prepared 2021
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## Fire Weather Forecast

FORECAST NO: 3

NAME OF INCIDENT: McDonald

PREDICTION FOR: Day Shift

UNIT: BLM – Nor Cal District

SHIFT DATE: Saturday 7/31/10

SIGNED:



TIME AND DATE

FORECAST ISSUED: Friday 7/30/10 @ 1900

Jon Bonk

Incident Meteorologist

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**\*\*\* Red Flag Warning in effect from 2 pm until 9 pm today \*\*\***

**WEATHER DISCUSSION:** Another windy day as a deep mixing layer will bring winds aloft down to the surface. These winds will combine with low humidity to produce another day of Red Flag conditions during the afternoon and evening. Ridgetop winds will persist in the 10 to 20 mph range overnight with continued poor humidity recovery. Expect poor humidity recovery again under a shallow inversion tonight. Winds will be weaker on Sunday with humidity remaining low.

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### **WEATHER FORECAST TODAY:**

**WEATHER:** Mostly clear with some afternoon cumulus.

**LAL:** 1

**CWR:** 0%

**MAX TEMPERATURE:** Valley: 88      Ridge: 82

**MIN HUMIDITY:** Valley: 7%      Ridge: 12%

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

**Lower/Mid Slopes** – Upslope 2 to 6 becoming Southwest 9 to 15 mph with gusts to 25 mph around 1200, then shifting West at 17 to 22 mph with gusts to 35 mph after 1500.

**Ridges/Upper Slopes** – Southwest 9 to 15 mph with gusts to 22 mph shifting West 20 to 25 mph with gusts to 40 mph after 1400.

**Max Mixing Height:** 14,000 feet ASL

**Inversion Breaking:** Around 1200

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**SATURDAY NIGHT FORECAST:** Clear. Low temperatures...Valley 45, Mid-slope 60.

Maximum RH...Valley 40-45%, Mid-slope 25-30%. Lower slope winds... West 15 to 20 mph with gusts to 30 becoming drainage 2 to 7 mph after sunset. Ridgetop winds... West 18 to 25 mph with gusts to 35 mph shifting Northwest 10 to 20 mph after 2000 then becoming light after 0200.

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### **Extended Outlook:**

**Sunday:** Clear. Highs...88 to 93. Minimum RH...10% to 17%. Afternoon Winds: Valley...West 10 to 15 mph with gusts to 25 mph. Ridge/upper slope winds...Northwest 15 to 20 mph with gusts to 30 mph.

**Monday:** Clear. Highs...90 to 96. Minimum RH...8% to 14%. Afternoon Winds: Valley...West 10 to 15 mph with gusts to 25 mph. Ridge/upper slope winds...Northwest 14 to 18 mph with gusts to 25 mph.

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**Fire Behavior Forecast #4**

**Name of Incident:**

McDonald

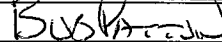
**Administrative Unit:**

Norcal BLM

**Date & Time Issued:** 07/30/2010@2000

**Operational Period:** Day Shift 07/31/2010

**SITL:** Chris Wikeen

**Signed:** 

**Weather Summary**

See attached Weather Forecast.

**Fire Behavior Summary**

**General**

Fuels within the McDonald Fire consist of Sagebrush, cheat grass, and Juniper. Heavy precipitation in the late spring contributed to relatively high live fuel moisture values for this time of year at around 120% in sagebrush. Cheat grass growth is abnormally heavy due to the high precipitation. It is cured in most locations. Grass is the main carrier of the fire at lower windspeeds. As the eye-level winds rise to 10-17 miles per hour and the fuels/slope are in alignment, the sagebrush will consume.

**Specific Assignments:**

Expect isolated single or group tree torching as fuels continue to burn out. Islands throughout the fire perimeter will continue to burn out as well. Islands in alignment with the wind could become more active in the afternoon after 1400. The northeast corner will continue to be tested by winds today and through this evening. Although fire behavior within the fire perimeter is rapidly decreasing, there is always the probability for a sloopover, spot, or a new start. With that, expect the rate of spread to be around 0-20+ ch/hr when slope and wind are in alignment depending on the continuity of the fuels. Flame lengths could range from 1-14'. Maximum spotting distances around 1000' into a receptive fuel bed. On slopes sheltered from the wind fire behavior should be low to moderate.

**Division A:** West winds could test control line this afternoon.

**Division B:** Winds should not cause any problems in this Division.

**Division C:** Northeast portion of the Division containment lines will be tested by the winds today.

**Division D:** Winds should not cause any problems in this Division.

**Division Y and Z:** These Divisions will have southwest-west winds at their backs and should not have any issues.

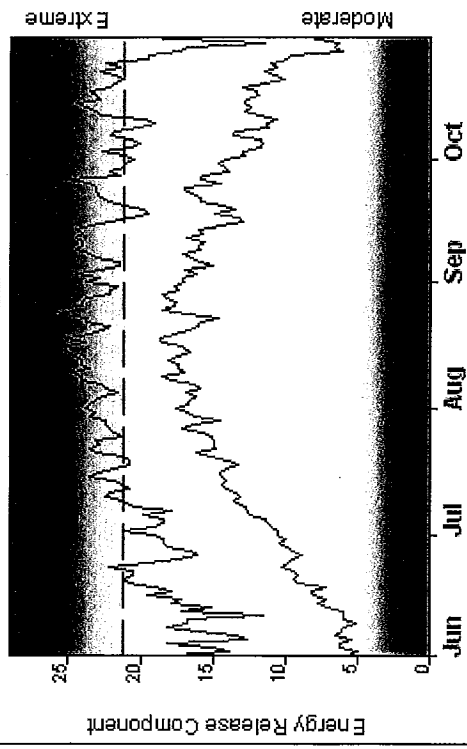
**Air Operations:** Gusty southwest-west winds could hamper air operations.

**Safety**

Maintaining body fluids is essential for sweating. You must hydrate before, during, and after work.

**FIRE DANGER -- Norcal Eastside**

Maximum, Average, and 90th Percentile, based on 13 years data



**Fire Danger Area:**

- FDRA's 258, 260, 266
- Wix Zones 270, 278, 285, 468
- Eastside SIG
- \* Meets NWCG Wix Station Standards

**Fire Danger Interpretation:**

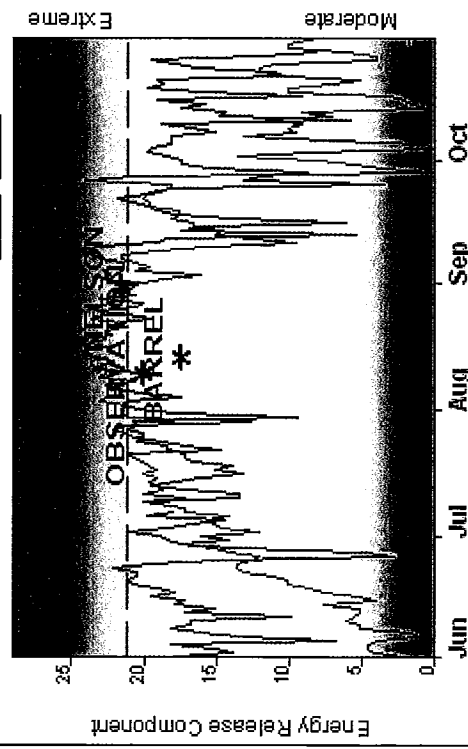


**EXTREME** -- Use extreme caution  
 Caution -- Watch for change  
 Moderate -- Lower Potential, but always be aware

Maximum -- Highest Energy Release Component by day for 1992 - 2004  
 Average -- shows peak fire season over 13 years (1972 observations)  
 90th Percentile -- Only 10 % of the 1972 days from 1992 - 2004 had an Energy Release Component above 21

**Local Thresholds - Watch out:** Combinations of any of these factors can greatly increase fire behavior:  
 20' Wind Speed over 10 mph, RH less than 25 %, Temperature over 80

**Years to Remember: 1994 2001**



**Remember what Fire Danger tells you:**

- ✓ Energy Release Component gives seasonal trends calculated from 2 pm temperature, humidity, daily temperature & rh ranges, and precip duration.
- ✓ Wind is NOT part of ERC calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

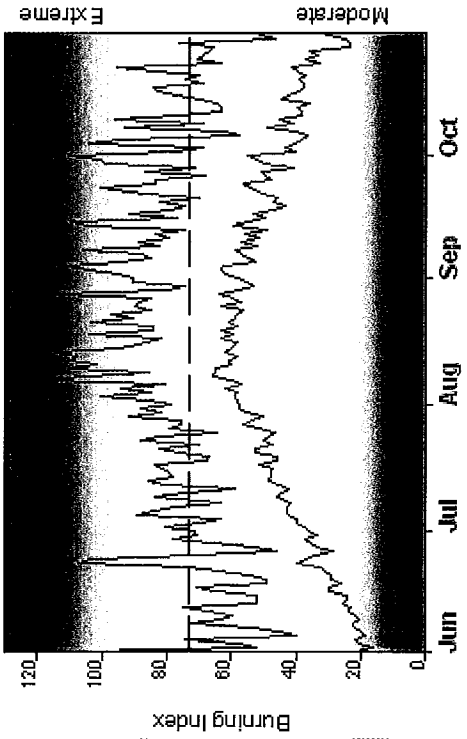
**Past Experience:**

Dry Lightning storms with associated winds equal EXTREME Fire Behavior.  
 Low RH's, High Daytime Temps, and Low Live Fuel Moistures equal VERY HIGH to EXTREME Fire Danger.  
 Eastside SIG: Ravendale 040714, Juniper Creek 040308, Barrel Springs 260111.

Responsible Agency: BLM Norcal  
 FF-3.0.5 07/05/2006-11-26 (C:\sapps\vsprod\am\Fire Family Plus\FPPUS3.mdb)  
 Design by NWCG Fire Danger Working Team

### FIRE DANGER -- Norcal Eastside

Maximum, Average, and 90th Percentile, based on 13 years data



### Fire Danger Area:

- ♦ FDRA's 258, 260, 265
- ♦ Wx Zones 270, 278, 285, 468
- ♦ Eastside SIG
- \* Meets NWCG Wx Station Standards

### Fire Danger Interpretation:



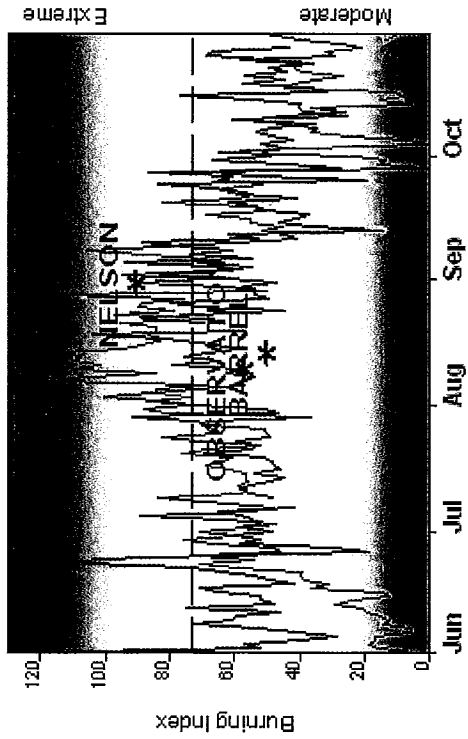
**EXTRME** -- Use extreme caution  
 Caution -- Watch for change  
 Moderate -- Lower Potential, but always be aware

Maximum -- Highest Burning Index by day for 1992 - 2004  
 Average -- shows peak fire season over 13 years (1972 observations)  
 90th Percentile -- Only 10% of the 1972 days from 1992 - 2004 had an Burning Index above 73

### Local Thresholds - Watch out:

Combinations of any of these factors can greatly increase fire behavior:  
 20' Wind Speed over 10 mph, RH less than 25%,  
 Temperature over 80

### Years to Remember: 1994 2001



### Fuel Model: T - Sagebrush-Grass

### Remember what Fire Danger tells you:

- ✓ Burning Index gives day-to-day fluctuations calculated from 2 pm temperature, humidity, wind, daily temperature & rh ranges, and precip duration.
- ✓ Wind is part of BI calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

### Past Experience:

Dry Lightning storms with associated winds equal EXTRME Fire Behavior.  
 Low RH's, High Daytime Temps, and Low Live Fuel Moistures equal VERY HIGH to EXTRME Fire Danger.  
 Eastside SIG: Ravendale 040714, Juniper Creek 040308, Barel Springs 260111.

Responsible Agency: BLM Norcal  
 FF+3.0.5.07/05/2006-11.28 (C:\sapps\prod\Fam\Fire Family Plus\FPLUS3.mdb)  
 Design by NWCG Fire Danger Working Team

[Back](#)

<b>INCIDENT RADIO COMMUNICATIONS PLAN</b>		Incident Name <b>MCDONALD INCIDENT</b>		Date/Time Prepared 7/30/2010 2200	Operational Period Date/Time Day Shift 7/31/10, 0600-2100
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Only frequencies listed on this 205 are authorized for use on this incident.									
Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N/W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	COMMAND	NIFC C-3	ALL DIVISIONS	168.0750 N		170.4250 N	131.8	A	MUST USE Tone 3
2	COMMAND	NIFC C-10	UNAVAILABLE/FUTURE USE	170.4125 N		165.9625 N	131.8	A	MUST USE Tone 3
3	NOD ADMIN NET	BLM ADMIN RPT	NOD BLM ADMIN	166.3750 N		166.9750 N	167.9	A	Tone 3 OR 7
4	NOD FIRE NET	BLM FIRE RPT	NOD BLM IA	166.4875 N		167.0750 N	167.9	A	Tone 3 OR 7
5	TACTICAL	NIFC TAC-1	DIVISION A	168.0500 N		168.0500 N		A	
6	TACTICAL	NIFC TAC-3	DIVISION B	168.6000 N		168.6000 N		A	
7	TACTICAL	NIFC TAC-4	DIVISION Z	164.1375 N		164.1375 N		A	
8	TACTICAL	NIFC TAC-5	DIVISION Y	166.7250 N		166.7250 N		A	
9	TACTICAL	NIFC TAC-6	DIVISION D	166.7750 N		166.7750 N		A	
10	TACTICAL	R5 TAC-5	DIVISION C	167.1125 N		167.1125 N		A	
11	TACTICAL	R5 TAC-6	UNASSIGNED	168.2375 N		168.2375 N		A	
12	A/G TACTICAL	AIR/GROUND	ALL DIVISIONS	168.5375 N		168.5375 N		A	
13	AIR TO GROUND MEDICAL	CALCORD	ALL DIVISIONS	156.0750 W		156.0750 W		A	
14		AIR GUARD	ALL DIVISIONS	168.6250 N		168.6250 N	110.9	A	ZONE 1 USED FOR EMERGENCY OR INITIAL CONTACT WITH AIRCRAFT
15	AIR TO GROUND MEDICAL	CALCORD	ALL DIVISIONS	156.0750 W		156.0750 W		A	
16		AIR GUARD	ALL DIVISIONS	168.6250 N		168.6250 N	110.9	A	ZONE 1 USED FOR EMERGENCY OR INITIAL CONTACT WITH AIRCRAFT

5. Prepared by *[Signature]*  
 Incident Location  
 County State: Lassen CA Fire Latitude N Longitude W

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W" depending on whether the frequency is narrow or wide band  
 ICS 205 - 2007H

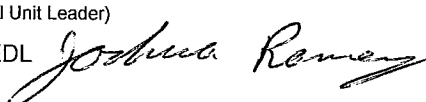

## **McDonald Incident Phone List**

<b>IC/DEPUTY</b>	<b>530-234-2083</b>
<b>INFO/LOST AND FOUND</b>	<b>530-234-2012</b>
<b>PLANS</b>	<b>530-234-1076</b>
<b>PLANNING MEETING ROOM</b>	<b>530-234-1050</b>
<b>OPERATIONS</b>	<b>530-234-2071</b>
<b>SAFETY</b>	<b>530-234-2064</b>
<b>COMMUNICATIONS PRIMARY</b>	<b>530-234-2026</b>
<b>COMMUNICATIONS SECONDARY</b>	<b>530-234-2073</b>
<b>COMM TECHS</b>	<b>530-234-2045</b>
<b>FIRE BEHAVIOR</b>	<b>530-234-1051</b>
<b>MEDICAL</b>	<b>530-277-1213</b>
<b>FINANCE</b>	<b>530-234-2096</b>
<b>COST</b>	<b>530-234-1077</b>
<b>TRAINING</b>	<b>530-234-2086</b>
<b>DEMOB</b>	<b>530-234-2115</b>
<b>CHECK IN</b>	<b>530-234-1039</b>
<b>ORDERING</b>	<b>530-234-2103/2083/1041</b>
<b>GROUND SUPPORT</b>	<b>530-234-2126</b>
<b>FRONT DESK MAIN SCHOOL</b>	<b>530-234-2010</b>





10. TASK/ MISSION/ ASSIGNMENT (Type/ function includes: Air Tactical, Retardant, Recon, Personnel Transport, Bucket Operations, SAR, etc.			
TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (If applicable) or instructions for tactical aircraft	MISSION START	FLY FROM FLY TO
Air Attack	Maintain coverage as directed by Operations	0800	SVE or 005 Fire
Bucket Support	Bucket support as requested by Ops., Branch, or Division	0830	McDonald HB Fire
PAX/Cargo	Fly 20 pax to H-1	0800	McDonald HB Fire
MEDIVAC	Request through ICP Communications & MEDL on Command Repeater. Give location: lat/long if known. Check Medical plan/IAP	As requested	McDonald HB As directed
Recon/ Mapping		As requested	McDonald HB Fire
Fixed-wing aerial retardant & Lead plane	Request to Air Attack, (approve thru Ops.) via initial Air/Ground. Give location and ground contact name.	As requested	Various Tanker Bases Fire
Aerial Ignition			
Initial Attack within TFR	Aircraft to be available for I.A. within TFR. Initial attack missions within TFR are requested through Ops or Air Ops and should be coordinated through Air Attack. Notify SIFC	As requested	McDonald HB As directed
<b>NOTES:</b>	No retardant closer than 300 ft. from any visible water.		
	<b>NO DIPPING IN MERDIBOURE RESERVOIR</b>		
Other equipment assigned to helibase:	E - 68 Helibase Comm. Trailer E - 63, 64 Water Tenders Crash/Rescue Engine SHF E-53		

<b>MEDICAL PLAN</b>	1. Incident Name	2. Date Prepared	3. Time Prepared	4. Operational Period							
	<b>McDonald Fire</b>	07/30/10	1800	08/01/10 0600-2100							
<b>5. Incident Medical Aid Station</b>											
Medical Aid Stations		Location			Paramedics Yes No						
Frontline Medical (cell: 530-258-9155)		McDonald ICP, 855 Grasshopper Rd., Termo, CA N 40° 50.338 / W 120° 30.794			<b>X</b>						
<b>6. Transportation</b>											
<b>AIR Resources</b>											
Name		Address		Phone		Paramedics Yes No					
Mountain Life Flight		710 Ash St. Susanville, CA 96130		911 or 530-251-2844		<b>RN</b>					
Care Flight (Day/Night)		450 Edison, Reno, NV 89502		911 or 800-648-4888		<b>RN</b>					
Enloe FlightCare (Day/Night)		1531 Esplanade, Chico, CA 95926		911 or 530-332-6774		<b>RN</b>					
CHP (hoist with 165' line)		Benton Airfield, Redding, CA		911 or 530-225-2040		<b>X</b>					
Cal Fire-Bieber 202(Short haul)		510 Bridge St., Beiber, CA 96009		911 or 530-294-5251							
BLM 553 (BLS medivac)		Helibase, Ravendale, CA		911 or 530-257-5575							
<b>Ground Ambulance Services</b>											
Name		Location			Paramedics Yes No						
Medic 73 (cell :530-859-3871)		McDonald ICP. (Incident Ambulance)			<b>X</b>						
Sems Ambulance		Susanville, CA			<b>X</b>						
Modoc Med Center Ambulance		Alturas, CA			<b>X</b>						
<b>7. Hospitals</b>											
Name		Address		Travel Time Air Ground		Phone		Helipad Yes No		Burn Center Yes No	
Banner Lassen Medical Center		1800 Spring Ridge Dr., Susanville N 40°26.16 / W 120°37.40		20 min. 50 min.		530-252-2096 (good for med. control)		<b>X</b>		<b>X</b>	
Modoc Medical Center		228 McDowell, Alturas CA N 41°28.48/ W 120°32.42		20 min. 45 min.		530-233-5131		<b>X</b>		<b>X</b>	
Renown Medical Center. Level II		1155 Mill St.,Reno, NV N39°31.34 / W119°47.45		1 hr. 1:30 min.		775-982-2005		<b>X</b>		<b>X</b>	
UC Davis Level I Trauma/Burn Cntr.		2315 Stockton Blvd. Sacramento N38°33.17 / W 121°27.05		1:45 min. 6 hrs.		916- 734-3636 916- 734-3790		<b>X</b>		<b>X</b>	
<b>8. Medical Emergency Procedures</b>											
<input type="checkbox"/> Contact McDonald Communications and declare a medical emergency on Command, advising your location and situation <input type="checkbox"/> The closest Division Supervisor will respond to the location to take control and direct necessary actions <input type="checkbox"/> The closest Safety Officer and EMTs will respond to the location to assist with patient care <input type="checkbox"/> Use the attached Injury/Incident Communications Worksheet to coordinate appropriate care and transportation <input type="checkbox"/> Secure the scene area and identify witnesses for later investigation – Keep a log											
Prepared by (Medical Unit Leader)						10. Reviewed by (Safety Officer)					
Josh Ramey MEDL 530-277-1213 						Rich Rubin SOF2 					

# Injury or Incident Communications Protocol

Location \_\_\_\_\_

Situation \_\_\_\_\_

Any special equipment required \_\_\_\_\_

Number of injured \_\_\_\_\_ Type of injuries \_\_\_\_\_

Immediate transport required: Yes No Best method: Ambulance Helicopter Vehicle

Closest pick up point (DP, Helispot) \_\_\_\_\_

LOC \_\_\_\_\_ Resp. \_\_\_\_\_ Pulse \_\_\_\_\_ BP \_\_\_\_\_ Weight \_\_\_\_\_

Injury \_\_\_\_\_

Medical History/Allergies \_\_\_\_\_

**Air Transportation Triage      Contact EMS Helicopters on CALCORD freq.**

	Air Ambulance	Transport to Med Unit
<b>Mechanism</b>	Struck by tree Fall of 10' or more Snake bite with pain and swelling Insect bite with shortness of breath Signs of heat stroke (hot, dry, disoriented) Burn Injury greater than 1% body area	Minor dehydration Cut or laceration with bleeding controlled Minor bites and Stings Minor burns
<b>Area Injured</b>	Significant Blunt or Penetrating Trauma to Head, Neck, Chest, Abdomen or pelvis Any Arm or Leg fracture	Minor blunt trauma Minor penetrating trauma Extremity sprains and strains
<b>Symptoms</b>	Disoriented Chest Pain or Shortness of Breath Weak or absent radial pulse Pale, cold and sweating	Alert and oriented No shortness of breath Good pulses

### Medivac Sites

**DP-2**    N 40° 57.31 / W 120° 20.36

**H-1**      N 40° 56.069 / W 120° 24.575

### If air or ground ambulance is DELAYED:

Package and transport patient to rendezvous with Incident Ambulance. Re-route EMS helicopter to rendezvous point as appropriate.

### If Declaring an "Incident within the Incident"

The closest DIVS will respond to manage the incident. They are responsible for giving an accurate size up, ensuring scene safety, setting priorities and initiating an appropriate response.

The closest Safety Officer and Line EMS will respond to the scene to assist the Branch Director or DIVS. Secure site and begin initial investigation when situation is stabilized.

## McDonald Incident Risk Analysis (215a)

Div.	LCES Analysis of Tactical Applications (Hazardous Actions or Conditions)	LCES Mitigations/Warnings/Remedies
All	<b>Driving Hazards</b>	<ul style="list-style-type: none"> <li>• Fire Access roads require slow speeds and occasional spotters</li> <li>• Drive with your headlights on. Use chock blocks. Keep windshields clean. Look before backing and use backers.</li> <li>• Maintain driving situational awareness.</li> <li>• Observe speed limits</li> <li>• The roads in the area are open to the public</li> </ul>
All	<b>Fire Behavior</b>	<ul style="list-style-type: none"> <li>• STRONG WINDS until 2200 after POOR overnight RH RECOVERY</li> <li>• Maintain adequate escape routes and safety zones. Advise all personnel if these are compromised or changed. Set trigger points when appropriate.</li> <li>• Maintain LCES and adhere to the 10 standard orders.</li> <li>• Be aware of the light, flashy fuels and the winds that affect them.</li> </ul>
All	<b>Hydration</b>	<ul style="list-style-type: none"> <li>• With the heat, wind and poor RH hydration is an issue</li> <li>• Drink water before, during, and after shifts.</li> <li>• Be alert for signs of heat stress in yourself and others</li> <li>• Be sure to eat throughout the shift to better assimilate energy/hydration needs</li> </ul>
All	<b>Foot Travel</b>	<ul style="list-style-type: none"> <li>• Watch footing, both in camp and on the line</li> <li>• Minimize fatigue by pacing yourself</li> <li>• Treat "hot spots" on your feet before they become blisters</li> </ul>
All	<b>Fatigue and Complacency</b>	<ul style="list-style-type: none"> <li>• Affects judgment, decision making, and performance</li> <li>• Take a break and the re-focus on the task at hand</li> </ul>

Date & Time Prepared: July 30, 2010 @ 1845    Operational Period: 7/31/2010    0600-2100  
 Prepared By: Dave Kirste/SOF2, Michele Tanzi/SOF1, Rich Rubin/SOF2

CA-NOD-3688  
**BLM Northern California District**  
 Northern California Incident Management Team 1



**Today's discussion is from the  
First Aid / Health Category.**

Six Minutes Home Page

## **Hydration**

- Studies on wildland firefighters indicate that fire suppression activities generate about 7.5 kilocalories of heat each minute worked, or over 400 kilocalories for each hour. Additional heat (about 180 kilocalories per hour) comes from the environment and the fire.
- The total heat load amounts to 580 kilocalories per hour ( $400 + 180 = 580$ ). Complete evaporation of 1 liter of sweat removes 580 kilocalories of heat. Which means the firefighter needs to evaporate about 1 liter (slightly more than 1 quart) of sweat during each hour of work. Maintaining body fluids is essential for sweating. You must hydrate before, during, and after work.
- Before Work you should take extra fluids to prepare for the heat. Drink 1 to 2 cups of water, juice, or a sport drink before work. Avoid excess caffeine. It hastens fluid loss in the urine.
- While working, take several fluid breaks every hour, drinking at least 1 quart of fluid. Drink as much as you can during the lunch break. Water is your greatest need during work in the heat. Studies show that workers drink more when lightly flavored beverages are available. Providing a portion of fluid replacement with a carbohydrate/electrolyte sport beverage will help you retain fluids and maintain energy and electrolyte levels.
- After work, you need to continue drinking to replace fluid losses. Thirst always underestimates fluid needs, so you should drink more than you think you need. Rehydration is enhanced when fluids contain sodium and potassium, or when foods with these electrolytes are consumed along with the fluid.
- Sodium lost in sweat is easily replaced at meals with liberal use of the salt shaker. Unacclimatized workers lose more salt in the heat so they need to pay particular attention to salt replacement. Don't overdo salt intake; too much salt impairs temperature regulation. Excessive salt can cause stomach distress, fatigue, and other problems.
- Make potassium-rich foods like bananas and citrus fruits a regular part of your diet, and drink lots of lemonade, orange juice, or tomato juice. In fire camp, limit the amount of caffeine drinks such as coffee and colas because caffeine increases fluid loss in the urine. Avoid alcoholic drinks. They also cause dehydration. Avoid sharing water bottles except in emergencies.
- You can assess your hydration by observing the volume, color, and concentration of your urine--low volumes of dark, concentrated urine, or painful urination indicate a serious need for rehydration. Other signs of dehydration include a rapid heart rate, weakness, excessive fatigue, and dizziness.
- Rapid loss of several pounds of body weight is a certain sign of dehydration. Rehydrate before returning to work. Continuing to work in a dehydrated state can lead to serious consequences, including heat stroke, muscle breakdown, and kidney failure.

## McDonald Fire Logistics

The following is a list of service times for the McDonald Base Camp:

### **Kitchen:**

Breakfast – 0500 to 1000 hrs

Dinner – 1700 to 2200 hrs

### **Showers:**

AM – 0500-1200 hrs

PM – 1700 – 2200 hrs

### **Supply:**

Ordering – 0600-2200 hrs

Receiving & Distribution – 0530 – 2130 hrs

### **Fuel :**

0600-2200 hrs

### **Camp Safety:**

Please note all sleeping should be accomplished in **DESIGNATED** sleeping areas to prevent exposure to vehicle traffic or other hazards.





## The 5-D System for Effective Waterbars

When locating and building waterbars, 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 widths wide and 12-24 inches high.*

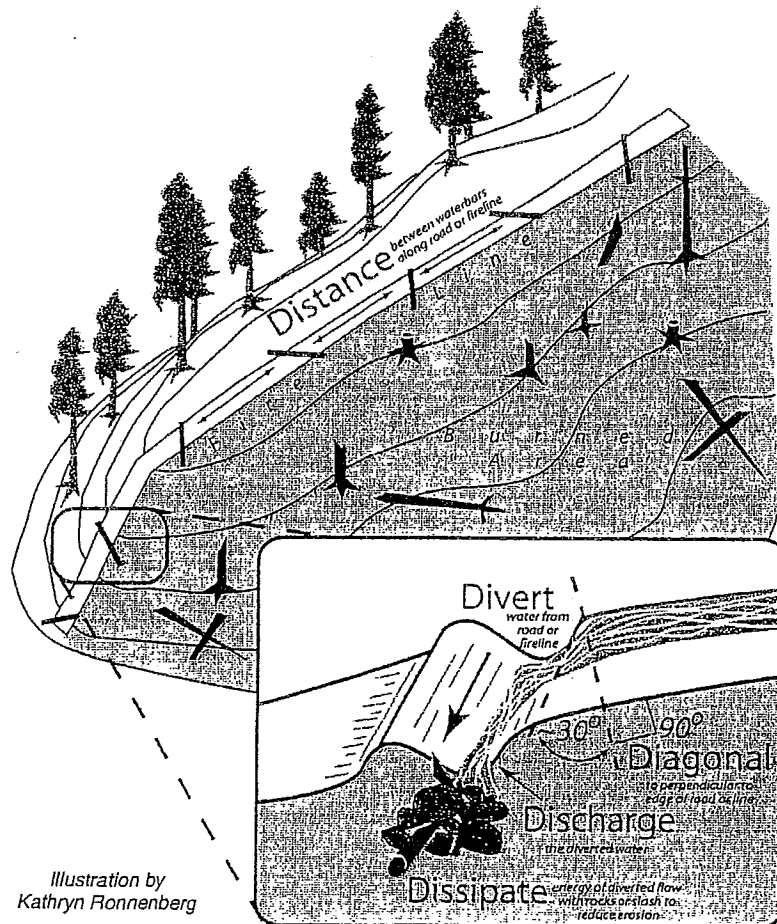


Illustration by  
Kathryn Flonnenberg