

HAM LAKE INCIDENT

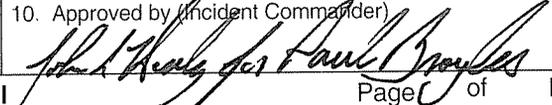
INCIDENT ACTION PLAN



MAY 15, 2007

DAY OPERATIONAL PERIOD
BROYLES GREAT BASIN INCIDENT
MANAGEMENT TEAM

NAD 83
LAT/LONG DEGREES DECIMAL MINUTES

Incident Objectives	1. Incident Name <p style="text-align: center;">HAM LAKE</p>	2. Date Prepared <p style="text-align: center;">05/14/07</p>	3. Time Prepared <p style="text-align: center;">1017</p>															
4. Operational Period <p style="text-align: center;">05/15/07 Tuesday DAY Shift 0630 - 2000</p>																		
5. General Control Objectives for the incident (include alternatives) <ol style="list-style-type: none"> 1. Ensure the safety of all personnel both public and assigned through use of the Incident Safety Analysis (ICS 215A) process and by continually applying the Risk Management Process (IRPG page 1). Ensure appropriate fatigue management. 2. The primary suppression objective is to protect structures and improvements on the upper Gunflint Trail. 3. Minimize impacts on wilderness and historical resources by incorporating wilderness management objectives and appropriate resource concerns. 4. Keep the public and cooperators well informed with daily updates, press releases, display boards and informational meetings. 5. Implement cost effective strategies within the limits determined by the WFSA. 6. Coordinate management actions and administrative reporting with Ontario Type 1 Incident Management Team. 																		
6. Weather Forecast for Period <p>Refer to the Fire Weather Forecast.</p>																		
7. General Safety Message <p>Refer to the Safety Message.</p>																		
8. Attachments (mark if attached) <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Organization List - ICS 203</td> <td><input checked="" type="checkbox"/> Incident Map</td> <td><input checked="" type="checkbox"/> Motorized Use Tracking</td> </tr> <tr> <td><input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204</td> <td><input checked="" type="checkbox"/> Safety Message</td> <td><input type="checkbox"/> Team Welcome Letter</td> </tr> <tr> <td><input checked="" type="checkbox"/> Communications Plan - ICS205</td> <td><input checked="" type="checkbox"/> Traffic Plan</td> <td><input type="checkbox"/> Incident Replacement</td> </tr> <tr> <td><input checked="" type="checkbox"/> Medical Plan - ICS 206</td> <td><input checked="" type="checkbox"/> Fire Behavior</td> <td><input checked="" type="checkbox"/> Aviation Emergency Evacuation</td> </tr> <tr> <td><input checked="" type="checkbox"/> Air Operations Summary - ICS 220</td> <td><input checked="" type="checkbox"/> Human Resource Message</td> <td><input type="checkbox"/></td> </tr> </table>				<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> Motorized Use Tracking	<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Safety Message	<input type="checkbox"/> Team Welcome Letter	<input checked="" type="checkbox"/> Communications Plan - ICS205	<input checked="" type="checkbox"/> Traffic Plan	<input type="checkbox"/> Incident Replacement	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Fire Behavior	<input checked="" type="checkbox"/> Aviation Emergency Evacuation	<input checked="" type="checkbox"/> Air Operations Summary - ICS 220	<input checked="" type="checkbox"/> Human Resource Message	<input type="checkbox"/>
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<input checked="" type="checkbox"/> Air Operations Summary - ICS 220	<input checked="" type="checkbox"/> Human Resource Message	<input type="checkbox"/>																
9. Prepared by (Planning Section Chief) 		10. Approved by (Incident Commander) 																

ORGANIZATION ASSIGNMENT LIST		9. Operations Section	
1. Incident Name HAM LAKE		Operations Section Chief	DAN BUCKLEY; STEVE RADDATZ
2. Date Prepared 05/14/07		Operations Section Chief	ROD COLLINS; DAN DALLAS(T)
3. Time Prepared 1019		a. Branch I - Division/Groups	
4. Operational Period 05/15/07 Tuesday DAY Shift 0630 - 2000		Division/Group A	
Position	Name	Division/Group B	M. WINKELMAN; R HEAVIRLAND (t)
5. Incident Commander and Staff		Division/Group C	MIKE FRALICKS
Incident Commander / Deputy	PAUL BROYLES / JIM THOMAS	Division/Group D	LOUIS HARTJES
Canadian Incident Commander	DAVE MANOL	Division/Group E	T. ROACH; J. BENNETT (T)
Safety Officer	TONY BEITIA; JIM GRANT	Division/Group W	DAVE VINING; CHRIS VERO (T)
Information Officer	BILL PAXTON	Division/Group Z	T. DEMASTERS; C HALL (T)
Liaison Officer	GUY PENCE	b. Branch I - Division/Groups (contiued)	
6. Agency Representative		Division/Group STRUCTURE GRP 1	TOM LYNCH
Agency	Name	Division/Group STRUCTURE GRP 2	CHRISTIAN RAMIREZ
USFS Agency Administrator	JIM SANDERS	Division/Group PUBLIC SAFETY	TOM KAFFINE
Agency Adm. Rep / Trainee	JOHN WYTANIS / CARLEEN YOCUM	Division/Group STAGING	
Minnesota DNR	PAUL PETERSON	Division/Group LIMA PEAK	
Cook County Sheriff	MARK FALK	Division/Group X / Y	
Canadian Liaison	RANDY CRAMPTON	Division/Group	
7. Planning Section		c. Branch III - Division/Groups	
Chief	CLARK NOBLE; JOHN HEALY	Branch Director	
Deputy		Deputy	
Resources Unit	ROSS CATRON	Division/Group	
Situation Unit	RICK THOLEN	Division/Group	
Documentation Unit		Division/Group	
Demobilization Unit	MADONNA LENGERICH	Division/Group	
Fire Behavior Analyst	TOM REID; TYLER DOGGETT(T)	Division/Group	
Human Resource Specialist	PAUL BRYANT; ANDREA PAYNE(T)	d. Air Operations Branch	
Training Specialist	DON WASHCO	Air Operations Branch Director	JEFF GARDETTO
GIS Specialist	MATT BETENSON; CORY BLACK	Helibase Manager	MICHAEL EILERS; CHRIS HAVENER
Computer Specialist	A. SAMPSON; L. LEEZER; A. PARK	Air Attack Supervisor	LARRY ZAJANC
Resource Advisor	TIM ENGRAV; SARA ERICKSON	Air Support Supervisor	STEVE BUDD-JACK
		Helicopter Coordinator	
		Air Tanker Coordinator	
8. Logistics Section		10. Finance Section	
Chief	MEGAN TIMONEY	Chief	CAROL BASS
Deputy	DUANE CIHLAR	Deputy	
Supply Unit	TIM KENNEDY; ROBERT HARPER	Time Unit	CHRISTINA FINLEY
Facilities Unit	ROSS BLUESTONE; LEE HUGHES	Procurement Unit	HENRY GAUSE
Ground Support Unit	BUTCH SMITH; GENE REED	Compensation/Claims Unit	DARLA SMITH
Communications Unit	MATT NILSEN	Cost Unit	CYNTHIA HIGBEE
Medical Unit	HARRY WHEELER	Prepared by (Resource Unit Leader)	
Security Unit	VAL NORMAN	D. Ross Catron	
Food Unit	ROY MILLER; DENNIS BROGGER		

Fire Weather Forecast

FORECAST NO: 8

NAME OF FIRE: HAM LAKE FIRE

PREDICTION FOR: Day Shift
SHIFT DATE: May 15, Tuesday

UNIT: Superior National Forest
SIGNED: Byron Paulson
Incident Meteorologist
David Morford
IMET Trainee

TIME AND DATE
FORECAST ISSUED: 2030 CDT 14 MAY, 2007

WEATHER DISCUSSION:

....COOLER AIR IS MOVING INTO THE AREA...

A northwest flow of cool air will move across the incident into Wednesday, Today, a couple of weak upper level low pressure systems will help bring clouds, and perhaps trigger a shower. Drier air arrives for Wednesday, but it will remain cool. Warmer air, and higher winds, return for Thursday.

TODAY:

WEATHER: Partly Sunny. A chance of a shower.

TEMPERATURES: High 55 to 60.

HUMIDITY: Minimum 30 to 35%.

WINDS: All winds are 20 foot winds: Northwest 10 to 15 mph, with gusts to 20 mph.

HAINES INDEX: 4 which low.

WINDS FOR AIROPS : 2000 feet above ground: Northwest winds 15 mph.

TONIGHT:

WEATHER: Partly cloudy. A chance of a shower early.

TEMPERATURES: Low 35 to 40.

HUMIDITY: Max above 85% by morning.

WINDS: Northwest 5 to 10 mph.

WEDNESDAY:

Partly sunny. High in the mid 50s. Minimum humidity 35 to 40%. North wind 5 to 10 mph with higher gusts.

WEDNESDAY NIGHT:

Clearing and cooler. Low 30 to 35. Light wind. Humidity above 80%.

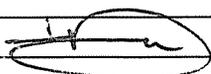
EXTENDED FORECAST: WEDNESDAY AND THURSDAY:

Thursday... Partly sunny. High 65 to 75.

Friday... Partly Sunny. High 65 to 70.

<u>Weather Yesterday</u>	<u>Max temp</u>	<u>Min RH</u>
Seagull ICP RAWS	76	60%
Superior1 RAWS (near Div B)	75	54%
Loon Lake Helispot (H3)	70	60%

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 15	TYPE OF FIRE: WILDFIRE
FIRE NAME: Ham Lake Fire	OPERATIONAL PERIOD: May 15 – Day Operations
DATE ISSUED: May 14, 2007	TIME ISSUED: 2100
UNIT: Superior NF	SIGNED: T. Doggett – FBAN (trainee) 
WEATHER SUMMARY: See fire weather forecast.	

FIRE BEHAVIOR

GENERAL:

Any significant fire spread will be in a Southeasterly direction. Mid-range spotting up to .5 mile is possible with group tree torching. Re-burn potential exists for under burned fuels and as needle drop begins from scorched conifers. Probability of ignition up to 50% until mid-day, dropping to 30% with afternoon cloud cover. Established spot fires can grow at a moderate rate possibly exceeding direct attack. Be wary of false green-up under existing drought conditions.

Expected rates of spread: Head fire up to 10-20 chains/hr, Flanking fire 1-2 chains/hr & Backing fire 1 chain/hour.

Expected flame lengths: Head fire 5-8 feet, Flanking fire 1-2 feet & Backing fire 1-2 feet.

Forecasted indices for today: ERC - 50 Extreme & BI - 68 Extreme

SPECIFIC:

Divisions A, B, D & Z

Good conditions should exist throughout the day for direct line construction, holding and mop-up operations. However, steady winds from the Northwest will spread any uncontained fire in a Southeasterly direction. Potential still exists for single and group tree torching. Interior smoldering and creeping fire behavior is expected.

Division C & W

Conditions should be favorable throughout the day for direct line construction, mop-up and containment efforts. Afternoon winds pose the greatest threat to unburned fuels in alignment with Northwest winds.

Division E

Large pockets of unburned fuel exist to the Northeast across Little Gunflint Lake. Potential still exists for single and group tree torching with mid-range spotting. Winds from the Northwest will spread any uncontained fire in a Southeasterly direction. Otherwise, favorable conditions should exist throughout the day for direct line construction, holding and mop-up operations between the US/Canada border and Gunflint Trail.

Structure Groups 1 & 2

Areas of unburned fuel and under burned fuels along the North side of Gunflint Trail pose the greatest threat for short duration flare-ups. Snags will continue to be a safety concern in higher wind conditions. Otherwise, conditions will remain favorable for holding, mop-up and containment efforts. Interior smoldering and creeping fire behavior is expected.

AIR OPERATIONS:

Fire behavior should not be an issue with air operations. Smoke production should be low and dispersion good.

SAFETY

Just because fire has burned through an area don't assume it is safe. If unburned fuels are still present the potential for re-burn exists.

Division Assignment List	1. Branch	2. Division/Group B
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3. Incident Name HAM LAKE	4. Operational Period 05/15/07 Tuesday DAY Shift 0630 - 2000
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5. Operations Personnel

Operations Chief	DAN BUCKLEY; STEVE RADDATZ	Division/Group Supervisor	MARK WINKELMAN
Operations Chief	ROD COLLINS; DAN DALLAS(T)	Air Tactical Group Super.	LARRY ZAJANC
Branch Director		Safety Officer	TONY BEITIA; JIM GRANT

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
HC2;MFC #1;C-2	RANDALL WEST	20	N	BASE / 0630	BASE / 2000
HC2;WIC #3;C-12	TIMOTHY JOHNSON	20	N	BASE / 0630	BASE / 2000
ENG4;ENG NAX-72 T6;E-90	BORINO, MAX	2	N	BASE / 0630	BASE / 2000
ENG6;DLR 6141;E-56	DARRIN FRANCO	2	N	BASE / 0630	BASE / 2000
ENG6;ENGINE 9504;E-92	THOMAS SAYLORS	3	N	BASE / 0630	BASE / 2000
ENG6;LEECH LAKE #1;E-23	DUANE BEBEAU	3	N	BASE / 0630	BASE / 2000
ENG6;LEECH LAKE 2;E-19	TERRY OCONNOR	2	N	BASE / 0630	BASE / 2000
ENGU;NODWELL #1;E-30	TODD BERGH	2	N	BASE / 0630	BASE / 2000
DOZ3;BAUTCH CONSTRUCTION;E-51	STAN BAUTCH JR	1	N	BASE / 0630	BASE / 2000
WAT1;BAUTCH WATER TENDER;E-44		1	N	BASE / 0630	BASE / 2000
STEN	KURPIUS	1	N	BASE / 0630	BASE / 2000
STCR	J. HINTON	1	N	BASE / 0630	BASE / 2000
STCR	VANCE HAZELTON(t)	1	N	BASE / 0630	BASE / 2000
DOZB	KEVIN COX	1	N	BASE / 0630	BASE / 2000
DOZB	DAN CASTILLO(t)	1	N	BASE / 0630	BASE / 2000
EMTB	MICAH BELL	1	N	BASE / 0630	BASE / 2000

7. Control Operations
 Hold line and mop up where appropriate. Coordinate structure protection with Structure Group # 2.

8. Special Instructions
 Engage and disengage as appropriate in response to fire behavior. All personnel traveling on the water **MUST** have water safety training. Order canoe and boats by 1500 of the day prior to their need. Record all wilderness incursions. Fuel tender now located at 1347 Staging (Magnetic Lake Rd).

Know what your fire is doing at all times!

9. Division/Group Communications Summary

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command		REFER	TO	COMMO	PLAN		
Tactical Div/Group							
Logistics							
Air to Ground							

Prepared by (Resource Unit Leader) D. Ross Catron	Approved by (Planning Section Chief) 	Date Prepared 05/14/07	Time Prepared 1025
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Division Assignment List			1. Branch		2. Division/Group C		
3. Incident Name HAM LAKE			4. Operational Period 05/15/07 Tuesday DAY Shift 0630 - 2000				
5. Operations Personnel							
Operations Chief		DAN BUCKLEY; STEVE RADDATZ		Division/Group		MIKE FRALICKS; GENE PHILLIPS(T)	
Operations Chief		ROD COLLINS; DAN DALLAS(T)		Air Tactical Group		LARRY ZAJANC	
Branch Director				Safety Officer		TONY BEITIA; JIM GRANT	
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
HC1;ROGUE RIVER HOTSHOTS;C-15		RANDALL LEHMAN		18	N	BASE / 0630	BASE / 2000
HC1;SIERRA HOTSHOTS IH;C-8		KENNETH JORDAN		22	N	BASE / 0630	BASE / 2000
HC2IA; INDIANA #1; C-7		NATE ORSBURN		18	N	BASE / 0630	BASE / 2000
HC1;BOISE HOTSHOTS;C-23		MATT ZIEGLER		19	N	BASE / 0630	BASE / 2000
HC2;GRAYBACK #7B;C-24		GUY SPARKS		20	N	BASE / 0630	BASE / 2000
HC1;MIDNIGHT SUNS;C-25		DAVE MATIER		21	N	BASE / 0630	BASE / 2000
ENG4;ENGINE BLM 241;E-143		BRIAN HUBBELL		5	N	BASE / 0630	BASE / 2000
ENGU;NODWELL #3;E-29		DAVE ROKEH		2	N	BASE / 0630	BASE / 2000
DOZ3;TERRA FIRMA;E-43		PAUL JACOBSON		1	N	BASE / 0630	BASE / 2000
TFLD		JESSE LOPEZ		1	N	BASE / 0630	BASE / 2000
TFLD		MIKE CROOK(T)		1	N	BASE / 0630	BASE / 2000
STEN		STEVE TEETER		1	N	BASE / 0630	BASE / 2000
STEN		DON LANTZ		1	N	BASE / 0630	BASE / 2000
SOF2		CHAD STEWERT		1	N	BASE / 0630	BASE / 2000
DOZB		JEREMY HEDRICK		1	Y	BASE / 0630	BASE / 2000
EMTB		ZEKE SMITH		1	N	BASE / 0630	BASE / 2000
7. Control Operations Contain fire with direct attack working south from Gunflint Trail south to DIV C/D break. Do not open Banadad Ski Trail with mechanized equipment. Priority for air support.							
8. Special Instructions Engage and disengage as appropriate in response to fire behavior. All personnel traveling on water MUST have water safety training. Order canoes and boats for tomorrow's shift by 1500 of the day prior to their need. Record all wilderness incursions. Fuel tender now located at 1347 staging (Magnetic Lake Rd.) Know what your fire is doing at all times!							
9. Division/Group Communications Summary							
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	Refer to	Commo	Plan				
Tactical							
Logistics							
Air to Ground							
Prepared by (Resource Unit Leader) D. Ross Catron			Approved by (Planning Section Chief) <i>John J. Healy</i> Final		Date Prepared 05/14/07		Time Prepared 2134

Division Assignment List	1. Branch	2. Division/Group D
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3. Incident Name HAM LAKE	4. Operational Period 05/15/07 Tuesday DAY Shift 0630 - 2000
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5. Operations Personnel

Operations Chief	DAN BUCKLEY; STEVE RADDATZ	Division/Group Supervisor	LOUIS HARTJES
Operations Chief	ROD COLLINS; DAN DALLAS(T)	Air Attack Supervisor	LARRY ZAJANC
Branch Director		Safety Officer	TONY BEITIA; JIM GRANT

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
HC1;SILVER CITY HOTSHOTS;C-27	CATHLEEN LOWE	21	N	BASE / 0630	BASE / 2000
HC1;KINGS RIVER RHC;C-22	ISAAC NAYLOR	19	N	BASE / 0630	BASE / 2000
HC1;PLUMAS IHC;C-16	JACK SEVELSON	20	N	BASE / 0630	BASE / 2000
HC1;DENALI HC1;C-26	STEVE BOATMAN	20	N	BASE / 0630	BASE / 2000
HC1;MORMON LAKE IHC;C-14	CAOUCETTE, MATT	20	N	BASE / 0630	BASE / 2000
WILDLAND S/T #6 (includes engines E-198, E-199, E-200, E-201, and E-202)	AVERY THOMPSON	13	N	BASE / 0630	BASE / 2000
DOZ1;VERN HOFF;E-45	VERN HOFF	1	N	BASE / 0630	BASE / 2000
FALB	ROBERT MONROE	1	N	BASE / 0630	BASE / 2000
FALB	JASON COOPER	1	N	BASE / 0630	BASE / 2000
SOF2	ROBERT KARI	1	N	BASE / 0630	BASE / 2000

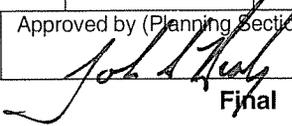
7. Control Operations
Contain fire with direct attack working south from Gunflint Trail to DIV C/D break. Do not open Banadad Ski Trail with mechanized equipment. Priority for air support. Provide structure protection for structures accessed via Road 92 and Gunflint Trail both east and west of the fire slop-over.

8. Special Instructions
Engage and disengage as appropriate in response to fire behavior. All personnel traveling on water MUST have water and boat training before going onto the water. Order canoes and boats by 1500 of the day prior to their need. Record wilderness incursions. Fuel tender now located at 1347 staging (Magnetic Lake Rd.).

Know what the fire is doing at all times!

9. Division/Group Communications Summary

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command		REFER	TO	COMMO	PLAN		
Tactical Div/Group							
Logistics							
Air to Ground							

Prepared by (Resource Unit Leader) D. Ross Catron	Approved by (Planning Section Chief) 	Date Prepared 05/14/07	Time Prepared 1032
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Division Assignment List		1. Branch		2. Division/Group E	
3. Incident Name HAM LAKE		4. Operational Period 05/15/07 Tuesday DAY Shift 0630 - 2000			
5. Operations Personnel					
Operations Chief	DAN BUCKLEY; STEVE RADDATZ		Division/Group Supervisor	TOM ROACH; JEREMY BENNETT(T)	
Operations Chief	ROD COLLINS; DAN DALLAS(T)		Air Attack Supervisor	LARRY ZAJANC	
Branch Director			Safety Officer	TONY BEITIA; JIM GRANT	
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
HC1;KLAMATH HOTSHOTS;C-20	JOHNNY CLEM	21	N	BASE / 0630	BASE / 2000
HC1;ELDORADO IHC;C-21	M BECKETT	22	N	BASE / 0630	BASE / 2000
HC2;MIDEWIN;C-1	JERRY M HOFFMAN	19	N	BASE / 0630	BASE / 2000
HC2;PLATTE CANYON;C-13	DAMON LAURION	19	N	BASE / 0630	BASE / 2000
ENG6;DLR6141;E-56.	DARRIN FRANCO	2	N	BASE / 0630	BASE / 2000
ENG6;PK2 - BEMIDJI ENGINE;E-26	CHRISTINE WEIR KOETTER	2	N	BASE / 0630	BASE / 2000
EMTB	JOHNNIE HYDE	1	N	BASE / 0630	BASE / 2000
7. Control Operations Patrol and mop-up fire edge west of Heights of Land Portage. Continue direct line construction from Mayhew Lake North on the fire edge to the Canadian border. Patrol and mop-up line from Gunflint trail to Mayhew Lake. Secure all threats to the line by isolating unburned islands within 300 feet of the line.					
8. Special Instructions Engage and disengage as appropriate in response to fire behavior. All personnel traveling on water MUST have water and boat training before going on the water. Order canoes and boats by 1500 of the day prior to their need. Record all wilderness incursions. Fuel tender is located at 1347 staging (Magnetic Lake Rd.) Know what your fire is doing at all times!					
9. Division/Group Communications Summary					
Function	Frequency - RX	Frequency - TX	Tone	System	Channel
Command		REFER	TO	COMMO	PLAN
Tactical					
Logistics					
Air to Ground					
Prepared by (Resource Unit Leader) D. Ross Catron		Approved by (Planning Section Chief)		Date Prepared 05/14/07	Time Prepared 1036

10. TASK / MISSION / ASSIGNMENT (Type / Function Includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, S&R, etc)			
TYPE / FUNCTION	NAME OF PERSONNEL OR CARGO (if applicable) OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM FLY TO
Air Tactical	Over the incident at 0900	0900	Ely Ham Fire
Recon with 863H & 351CH	As needed by Operations from Larch HB.	0900	Larch HB Ham Fire
Transport Personnel/Cargo	As needed and directed by Operations.		Larch HB As directed
Ignition	As needed (351CH designated aircraft).		
Medevac	Fly to ICP Helipad based upon medical unit instructions. Incident Medevac aircraft 863H		
Prepared By Jeff Gardetto AOB		5/14/07	TIME: 2000 hrs. Page 2 of 2



INCIDENT RADIO COMMUNICATIONS PLAN	1. Incident Name	2. Date/Time Prepared	3. Operational Period Date/Time
	Ham Lake	5/14/2007 2050	5/15/2007 DAY

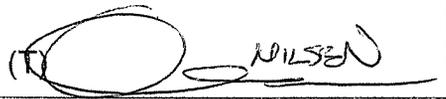
4. Basic Radio Channel Utilization

Radio Type/Cache	Channel	Function	Frequency/Tone	Assignment	Remarks
VHF	1	Tac 1	168.0500 Rx/Tx	Division D	
VHF	2	Tac 2	168.2000 Rx/Tx	All Structure Groups	Local VFD's may only have this channel in their radios
VHF	3	Tac3	168.6000 Rx/Tx	Division B	
VHF	4	Tac 4	164.1375 Rx/Tx	Division E	
VHF	5	Tac 5	166.7250 Rx/Tx	Division W & Z	
VHF	6	Command 6	168.7000 Rx 170.9750 Tx	COMMAND	NIFC "C-1"
VHF	7	Command 7	162.9625 Rx 171.7875 Tx	COMMAND	NIFC "C-7"
VHF	8	Command 8	166.6125 Rx 168.4000 Tx	COMMAND	NIFC "C-4"
VHF	9	SUF Gunflint Repeater	169.9250 Rx 170.5250 Tx 110.9 pl	Forest Net Back Up only	Back-Up
VHF	10	Cook County Sheriff	158.730 Rx D743 155.985 Tx D627	Emergency Contact	WIDEBAND
VHF	11	Tac 11	166.7750 Rx/Tx	Division C	
VHF	12	Air-to-Ground 1	169.2000 Rx/Tx	Primary	
VHF	13	Air-to-Ground 2	166.6875 Rx/Tx	Secondary	
VHF	14/16	Air Guard	168.6250 Rx/Tx 110.9 PL	FOR EMERGENCY USE ONLY	

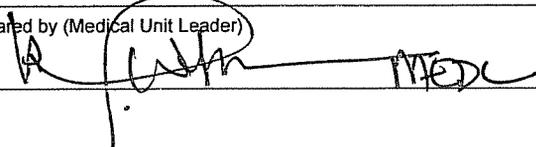
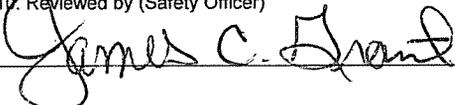
All frequencies are Analog – Narrowband except as noted

5. Prepared by (Communications Unit)

Matt Nilsen COML Kary Mavencamp COML (T)



Logistics Radios: Group 1 Channel 2

MEDICAL PLAN	1. Incident Name	2. Date Prepared	3. Time Prepared	4. Operational Period						
	Ham Lake Fire	5/13/2007	1830	5/15/07 0600-2200						
5. Incident Medical Aid Station										
Medical Aid Stations		Location			Paramedics Yes No					
Sea Gull Guard Station		11456 Gunflint Tr. Grand Marais, MN			XX					
Base Camp		Blackenberg Rd Grand Marais, MN					XX			
6. Transportation										
A. Ambulance Services										
Name		Address		Phone		Paramedics Yes No				
Gunflint VFD Ambulance		Gunflint Lodge Grand Marais, MN		218-387-3030						
Cook Co. Ambulance		Gunflint Tr & 5 th Grand Marais, MN		218-387-3030						
Luke One Air		Duluth, MN		800-824-5773		XX				
Life Flight		Duluth, MN		800-447-5540		XX				
B. Incident Ambulances										
Name		Location			Paramedics Yes No					
Helicopter		Larch Helibase 254-387-7322					XX			
Beaver Fixed Wing		ELY Sea Plane Base 218-365-7565					XX			
7. Hospitals										
Name	Address		Travel Time Air Ground		Phone		Helipad Yes No		Burn Center Yes No	
Cook Co. Hospital	515 W 5 th Grand Marais N 47.45.00 W 90.20.00		30min 1hr		218-387-3269		XX			
St. Mary's Hospital	407 E 3 rd Duluth, MN N 46.47.60 W 92.05.90		1hr 3hr		218-786-4357		XX			
St. Luke's Hospital	915 E 1 st Duluth, MN N 46.47.80 W 52.05.40		1hr 3hr		218-249-5616		XX			
Ely-Bloomenson Hospital	328 W Conan Ely, MN N 47.50.00 W 91.52.00		40min 3hr		218-365-3271		XX			
8. Medical Emergency Procedures										
<p>***Tending to personal hygiene will reduce illness in and out of camp.</p> <p>***All medical emergencies will be reported to the Divs. The DIVS will notify Ham Lake Communications on the Command Frequency. Communications will clear ALL Radio Traffic, and notify the MEDL. Report should include location, type, and number of injuries, medical, and transportation needs (please include nearest drop point/helispot). Any on-scene EMT's will stabilize the patient.</p> <p>***The term "MEDIVAC" is to be used for life threatening evacuations only.</p>										
Prepared by (Medical Unit Leader)						10. Reviewed by (Safety Officer)				
										

AVIATION EMERGENCY EVACUATION PLAN

Ham Lake Incident

Life Flight

Air Rescue: phone # 1-800-447-5540

Air/Ground Frequency: 155.340 (State Air Rescue Freq., for use with Life Flight only)

Travel: 60 minute time for aircraft to arrive on scene

Life Flight: Deluth, MN **Night Vision Capable**

Helispot Location:

Ham Lake ICP	Zulu Spike	Gunflint Station 1
MEDL – Harry Wheeler	DIVS – Tony Demasters	DIVS -
Lat: N 48° 07' 10.7"	Lat: N 48° 14' 30.8"	Lat: N 48° 02' 36.8"
Long: W 090° 50' 24.4"	Long: W 090° 52' 09.5"	Long: W 090° 27' 15.0"
Elevation: 1509'	Elevation: 1853'	Elevation:

MEDICAL EMERGENCY = LIFE THREATENING INJURY OR ILLNESS

- All **non-Medical emergencies** requiring medical transport only should be clearly stated
- **When requesting medical aid, state:**
 1. Name of On-Scene Incident Commander (DIVS, EMT, etc.)
 2. Location: Drop point, Helispot, road intersection, mile marker, dip site, grid location, lat. X Long., etc. Best reference possible.
 3. Type of injury/illness. Medical Unit Leader will need good set of vitals, A-B-C's for proper assessment.
 4. Number of patients. If helicopter transport required, state number of transport and approximate weight.
 5. Treatment being given.

Helispot Night Marking Procedures:

At ICP: Flashing strobe beacon or Chem lights on corners. *Only used for Medical Emergency*

MEDL Harry Wheeler will be ground contact for night medivacs

**** Keep all non-essential personnel clear of helispot.**

DO NOT use flashlights, headlamps, headlights, etc. to identify Emergency Pad location; and DO NOT shine any lights at the incoming Life Flight helicopter (pilot is wearing night vision goggles!!)

**** All daylight hour non-emergency helicopter transports using incident aircraft will fly in / out of ICP Helispot**

Air/Ground Frequency 169.200 (Channel 12, Ham Lake ICS-205)

Signature:

Tony Burtan 05/15/2007

HEALTH AND SAFETY MESSAGE

SAFETY starts with *YOU*

We are ALL accountable for SAFE behaviors

For Day Operations: May 15, 2007

INCIDENT: Ham Lake

DATE: May 14, 2007

TIME: 2000

Major Hazards and Risks:

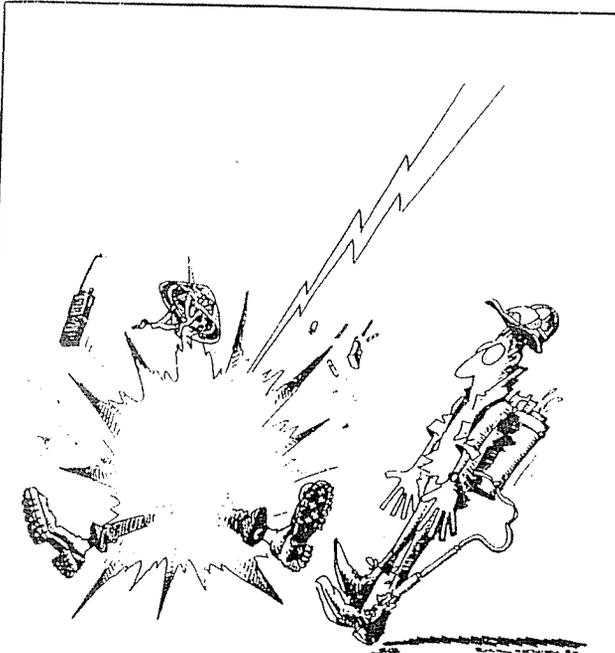
- **DRIVING:** Slow down when driving on Cook County 12
- **HAZARD TREES....Look up.....Look down.....Look around!!!**

Fire Order of the Day: ***Fight fire aggressively, having provided for SAFETY first***

- Keep your subordinates informed.....how do you plan for the **weather**, and **fire behavior** today????
- Make sound and timely decisions.....don't wait until your tent blows away, or your gear is soaked
- Ensure tasks are understood, supervised, and accomplished.....what can I do.....who can I help
- Use subordinates in accordance with their capabilities.....help them be successful

WHAT WERE TALKING ABOUT IS COMPETENT & CONFIDENT LEADERSHIP

WATCHOUT SITUATION



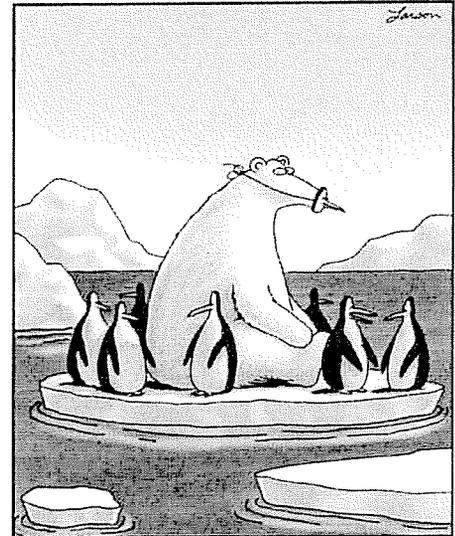
4. UNFAMILIAR WITH WEATHER AND LOCAL FACTORS INFLUENCING FIRE BEHAVIOR

- Listen for weather updates

Perception vs Reality

OR

How's your S.A. Today???



"And now Edgar's gone. ...
Something's going on around here."

Don't let the rain & cooler weather fool you.....check out the fire weather forecast for the end of the week!!!!

Thanks from your Safety Team!!

Tony Beitia
Chad Stewert
Jim Grant
Bob Kari

George Pozzuto
Steve Davis
Bob Shoemaker

Don't forget.....

BE ALERT....Situation Awareness

KEEP CALM.....Confidence

THINK CLEARLY....Risk Management

ACT DECISIVELY....Leadership!!!!

Tony Beitia

INCIDENT SAFETY ANALYSIS (215a)

Ham Lake

DIV	HAZARDS	MITIGATIONS	
All	Hazard Trees	<ul style="list-style-type: none"> Follow "Hazard Tree Safety" guidelines, IRPG pages 80 & 81 Look up, down around for hazard tree indicators Only fell trees within your expertise, and training 	
All	Driving & Traffic	<ul style="list-style-type: none"> Use spotters when backing, and honk horn to alert personnel Follow 3 second rule when driving on Cook County Road 12 Always use headlights, wear seatbelts, and use chock blocks Park in designated areas only Car Pool to meals, meetings, and fireline when possible 	
	Water Travel	<ul style="list-style-type: none"> Follow safety guidelines established in water safety training Always wear Personal Flotation Devices (PFD) Paddle near shoreline when white caps are present on water Secure loads and follow weight restrictions on watercraft Use good lifting practices when portaging with canoes Watch for submerged trees when landing in black Carry extra clothing to prevent hypothermia if you get wet 	
All	Reburn	<ul style="list-style-type: none"> Post Lookouts , practice "Tactical Watch outs", IRPG page 5 	
All	Extreme Fire Behavior	<ul style="list-style-type: none"> Refer to IRPG page 75 for watch out conditions Establish "Trigger Points" to withdraw Use "Risk Management" approach prior to suppression actions 	
	I.A. Direct Attack	<ul style="list-style-type: none"> Review Strategy for "Direct Attack" on IRPG, page 9 Practice "Tactical Watch outs", IRPG page 5 Follow the "Briefing Checklist" on IRPG back page 	
All	Personal Hygiene	<ul style="list-style-type: none"> Wash your hands on a regular basis & before each meal Don't share personal items such as razors, toothbrushes, etc. Use preventative measures to limit exposure to illness 	
	Mop Up	<ul style="list-style-type: none"> Maintain 8'-10' spacing Wear appropriate PPE such as safety glasses, gloves, etc Watch footing on wet terrain, avoid walking on slick surfaces Use 4 way flashers or overhead lights on primary access roads Don't work above another person 	
Structure Group	Structure Protection HAZMAT	<ul style="list-style-type: none"> Always face vehicles away from danger Review "Wildland Urban Interface" Watch outs, IRPG page 11 Use "Structure Assessment" checklist, IRPG pages 14 – 17 Watch out for fuel and gasoline tanks under decks 	
All	Helicopter Operations Fixed Wing Aircraft	<ul style="list-style-type: none"> Follow "Aviation Watch-Out Situations" on page 46, IRPG Follow helicopter and fixed wing briefing instructions Don't plan on air resources for medical transport or re-supply Directing Bucket Drops, IRPG, page 61 	
All	Wildlife	<ul style="list-style-type: none"> Keep camp & sleeping area clean of debris, and food Exercise caution for wildlife crossing roads at dawn & dusk 	
INCIDENT NAME Ham Lake		DATE & TIME PREPARED 05/14/2007 1900	OPERATIONAL PERIOD 05/15/2007 Day

Prepared by Safety Officer:

Gary Burtin

Reviewed by Operations Section Chief:

Steve Reddy



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News Releases



Cold water shock danger to early season anglers (2007-05-08)

The Minnesota DNR is reminding early season anglers of the danger of cold water shock and the importance of wearing a life jacket, especially in May and early June.

"The shock of a fall into cold water is certainly one of the biggest hazards to early season anglers," said Tim Smalley, DNR boating safety specialist. "The gasp caused by sudden immersion in icy water can cause victims to inhale water and drown if they aren't wearing a life vest."

It was once thought that good swimmers who drowned after falling overboard into cold water were succumbing to heart attacks. While that may happen when somebody is suddenly immersed in cold water, researchers are finding most who drown, die due to the torso reflex rather than a cardiac episode.

"The torso reflex is the gasp that happens when your face and chest suddenly enter cold water. The gasp is automatic and nearly impossible to stop. If your face is underwater when it happens, it's often fatal, unless of course you're wearing a life vest," Smalley noted. Boats are required to carry one wearable U.S. Coast Guard approved wearable personal flotation device (life jacket) of the proper size for each person readily accessible on board the boat. Boats 16 feet and longer also must carry a U.S. Coast Guard approved type IV throwable seat cushion or ring buoy on board.

The DNR recommends everyone wear life jackets this time of year. "While the emphasis tends to be on children wearing life jackets, it's the adults who die most often in boating accidents," Smalley said. "There have been a fair number of cases in Minnesota where an adult has drowned in a boat accident, but the child who was wearing a life jacket was just fine."

To get the free "Minnesota Boating Guide" and other boating safety information, call the DNR at (651) 296-6157 or toll free at 1-888-MINNDNR (646-6367). Information can also be

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<u>Ham Lake Incident</u>		V.1.03
5/14/2007		
Communication -ICP	801-413-0580	
Information	801-413-0589	Marion Swiney
	651-895-5423 cell	John Daugherty
	612-741-7640	
	612-741-7715	
Ham Lake Fire Fax	801-413-0588	(In Plans)
Medical	801-413-0598	
	651-895-5438 cell	Harry Wheeler
<u>INCEDENT COMMANDER & STAFF</u>		
IC-US	208-869-3495 cell	Paul Broyles
	801-413-0567	
IC-Canada	807-727-0351	Jeff Gaudry
Deputy IC	801-244-8136	Jim Thomas
Safety	801-413-0566	Tony Beitia
Laision Officer	801-413-0567	208-861-3471 cell
		Guy Pence
<u>AGENCY REPRESENTATIVE</u>		
MN DNR		
Cook County Sheriff	218-387-3030	Mark Falk
IMET	816-536-0813	Byron Paulson
FBAN	775-934-4701	Tom Reid
IMET/FBAN	801-413-0587	Tyler Doggett
<u>PLANNING</u>		
Plans	801-413-0591	
	208-630-4418 cell	Clark Noble
	435-749-1758 cell	John Healy
Plans/Resource fax	801-413-0588	
Resources/Check-in/Demob	801-413-0590	Ross Catron
	651-895-5422 cell	
Human Resource Specialist	801-413-0568	Paul Bryant
<u>LOGISTICS</u>		
Logistsice Section Chief	801-413-0565	Megan Timoney
Supply/Ordering	801-413-0583	
Ordering fax	801-413-0582	
Facilities		Butch Smith
Ground Support	651-895-5484 cell	Rick Segerstrom
	651-895-5410 cell	
Equipment Manager	651-895-4410 cell	Kelly Helget

05/15/2007

TENTATIVE RELEASE

HAM LAKE MN-SUF-070072

EQUIPMENT

E-85	0700	(ENG4)	RED ROCK #5
E-91	0700	(ENG4)	ENG 470 FIRE TRAX
E-177	0600	(ENG1)	LINDSTROM
E-180	0700	(ENG1)	RUSH CITY T1
E-175	0600	(ENG1)	FOREST LAKE T1
E-178	0700	(ENG1)	MINNEAPOLIS T1 #1
E-179	0700	(ENG1)	MINNEAPOLIS T1 #2
E-174	0600	(ENG1)	BLOOMINGTON
E-173	0700	(ENG1)	ST LOUIS
E-21	0700	(ENG6)	ENGINE 6307
E-34	0700	(ENG4)	ZIMMERMAN 4399
E-33	0700	(ENG6)	AURORA FD
E-36	0700	(ENG6)	LAKELAND FD
E-45	0700	(DOZ1)	VERN HOFF LAND DEVELOPMENT
E-46	0800	(DOZ2)	RASMUSSEN FOREST FUELS INC
E-50	0600	(DOZ1)	BAUTCH CONSTRUCTION

OVERHEAD

O-38	0800	(DOZB)	LEVASSEUR, STEVEN E
O-78	0600	(HECM)	JOHNSON, MELVIN L
O-82	0630	(DOZB)	COX, KEVIN W
O-93.33	0800	(GIST)	BETENSON, MATT
O-151	0630	(FALB)	CASTILLO, DAN
O-144	0600	(PIO2)	BERGLUND, THOMAS
O-221	0630	(THSP)	PAYNE, ANDREA

CREWS

C-10	0800	(HC2)	MNSUF - CREW 21
C-11	0800	(HC2)	MINGO #1

05/16/2007

TENTATIVE RELEASE

HAM LAKE MN-SUF-070072

OVERHEAD

O-72	0600	(SEC1)	HANSON, LARRY
O-111	0600	(IMET)	MORFORD, DAVE
O-174	0800	(DIVS)	ROACH, TOM
O-189	0600	(SOF2)	DAVIS, STEVEN
O-56	0600	(SEC1)	PAYTON, GREGORY

CREWS

C-3	0600	(HC2)	NORTHERN COLORADO
C-6	0600	(HC2)	NEF #1 (WMF)
C-7	0800	(HC2)	INDIANA IC #1

Superior National Forest Minimum Impact Management Tactics

Everyone on the incident has a responsibility to implement tactics and strategies that will minimize long term impacts on the ground, both in and out of the BWCA Wilderness.

This includes Command and General Staff, the Operations Section in their planning strategies and all resources on the line and in camp.

Please remember to log all your motorized use (chainsaws, pumps, and motorboats) within the wilderness. Regulations require that we report these activities.

MIST Tactics in Spike Camps:

- 1 While there may be pre-approved exceptions to BWCAW regulations for line activities, there are no exceptions "after hours in camp".
- 2 Protection of water resources is paramount. Please use no soap in the lakes for bathing and dishes. All soaps should be used at least 150 feet from shore.
- 2 Transport all trash out of the wilderness as frequently as possible. If a plane or boat is coming in with supplies, utilize that same plane/boat for trash removal. We do not want a large back-haul effort at the end of the incident.
- 3 Hang / secure all food and trash on your site when you leave for the line during the day and at night.

MIST Tactics on the line:

- 4 MIST tactics will be implemented on all suppression activities.
- 5 Because of damaged soils on this fire, please avoid the use of straight stream water delivery from pumps and hose lays.
- 6 Ensure that all pumps and fuel are in spill containment barriers along the waters edge.
- 7 If conducting snag operations on or near campsites and portage trails, avoid the tendency to cut up the snags in firewood length pieces.
- 8 Construct control and access lines only to the minimum width and depth necessary to control fire spread.
- 9 Efforts should be made to minimize the visual impact of fire lines along waterways and travel corridors by placing turns in the line or cutting the beginning of lines at an angle to the shoreline.

For all of us, our actions are an opportunity to display and demonstrate responsible, professional land stewardship. Resource Advisors have copies of a complete MIMT Handbook if you would like extras.

We will have Wilderness Resource Advisors out on the Divisions and in your camps to advise and assist you on BWCA Wilderness considerations. Following their lead will help you succeed in your MIST efforts.

Ham Lake Fire-Heritage Resources Message

The Superior National Forest has identified approximately 3,500 heritage sites within the Forest boundaries. These sites include Pre-contact Native American sites dating to 10,000 bp (years before present), as well as mining, homesteading, and logging sites dating from as early as 1880. The Superior National Forest is committed to minimizing, if not avoiding, impact to heritage resources during fire suppression and mop-up activities. As the fire progresses, resource advisors and line archaeologists will work with the ICT and ground crews to implement Minimum Impact Suppression Techniques (MIST), in areas with identified heritage concerns.

Portions of the Ham Lake Fire have burned into the historic “Voyagers Highway”. This route was utilized between 1650-1870 as a major transportation route for French, British, and American fur traders and their Ojibwa counterparts. During this period, thousands of birch bark canoes, loaded with European trade goods, passed to the north and east of the current fire perimeter. Additionally, the road which borders the southern perimeter of Division A was one of the first railroad lines in Cook County, Minnesota. This railroad, known as the Port Arthur and Duluth line, serviced a failed iron ore mine within the Ham Lake fire boundary.

Due to the shallow nature of soils in the area, the fire is expected to expose previously unknown heritage resources. Crews are to be aware that the removal of artifacts from federal property is a violation of several laws, and that the removal of heritage resources from Superior National Forest lands will not be tolerated. If heritage resources are observed during suppression/mop-up activities, please record the location and get the information to a Ham Lake Fire resource advisor.

Thank you all for your hard work. Do not hesitate to convey information or concerns to us (Resource Advisors-Line Archaeologist) as we move towards controlling the Ham Lake Fire.

TEAM PERFORMANCE CRITIQUE FORM

TO: CREW BOSSES AND OTHER FIRE OVERHEAD

Our incident Management Team is interested in doing the best job that we can. Here is your opportunity to critique us. Give us your thoughts on how we are doing and what we need to do better. Before you leave the incident, please take a few minutes to complete this critique and then drop it off with the Planning Section. We hope to use the comments we get to do a better job next time. Thanks for your input!

Incident Commander

INCIDENT NAME: _____ **DATE:** _____

1. How would you rate the treatment you and /or your crew received on this incident?

Excellent Good Fair Poor

Comments?

2. How well did the following items meet your needs?

Food	Excellent	Good	Fair	Poor
Sleeping Area	Excellent	Good	Fair	Poor
Medical	Excellent	Good	Fair	Poor
Showers	Excellent	Good	Fair	Poor
Sanitation	Excellent	Good	Fair	Poor
Time Keeping	Excellent	Good	Fair	Poor
Supply	Excellent	Good	Fair	Poor
Transportation	Excellent	Good	Fair	Poor
Commissary	Excellent	Good	Fair	Poor

Comments?

3. How would you rate the suppression tactics used on this assignment?

Excellent Good Fair Poor

Comments?

4. How would you rate the knowledge level and performance of your line overhead?
Excellent Good Fair Poor

Comments? (Please give names of individuals that were either outstanding or unsatisfactory) _____

5. How would you rate the team's attitude and efforts toward your safety?
Excellent Good Fair Poor

Comments? _____

6. Did anything really frustrate you about how this incident was managed? If so, what could this team do to concentrate on improving performance?
No Yes (please give suggestions)

Comments? _____

7. On a scale of 1 to 10, with 10 being the best, how would you rate the **Overall** job this team did on the incident?
1 2 3 4 5 6 7 8 9 10

Comments? _____

Thank You For Your Time.....

