

**HAM LAKE INCIDENT
INCIDENT MANAGEMENT PLAN**



MAY 13, 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;">05/12/07</p>	3. Time Prepared <p style="text-align: center;">1111</p>															
4. Operational Period <p style="text-align: center;">05/13/07 Sunday 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 Refer to the Fire Weather Forecast.																		
7. General Safety Message Refer to the Safety Message.																		
8. Attachments (mark if attached)																		
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input checked="" type="checkbox"/> Organization List - ICS 203</td> <td style="width: 33%;"><input checked="" type="checkbox"/> Incident Map</td> <td style="width: 33%;"><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 05/12/07		Operations Section Chief	ROD COLLINS; DAN DALLAS(T)
3. Time Prepared 1118		a. Branch I - Division/Groups	
4. Operational Period 05/13/07 Sunday DAY Shift 0630 - 2000		Division/Group A	
Position		Division/Group B	M.WINKELMAN; R.HEAVIRLAND (t)
Name		Division/Group C	MIKE FRALICKS
5. Incident Commander and Staff		Division/Group D	LOUIS HARTJES
Incident Commander / Deputy	PAUL BROYLES / JIM THOMAS	Division/Group E	T. ROACH; J. BENNETT (T)
Canadian Incident Commander	JEFF GAUDRY	Division/Group W	DAVE VINING, CHRIS VERO (T)
Safety Officer	TONY BEITIA; JIM GRANT	Division/Group Z	T. DEMASTERS, C. HALL (T)
Information Officer	BILL PAXTON	b. Branch I - Division/Groups (contiued)	
Liaison Officer	GUY PENCE	Division/Group STRUCTURE GRP 1	TOM LYNCH
6. Agency Representative		Division/Group STRUCTURE GRP 2	C. RAMIREZ; G. PHILLIPS (T)
Agency	Name	Division/Group PUBLIC SAFETY	TOM KAFFINE
USFS Agency Administrator	JIM SANDERS	Division/Group STAGING	
Agency Adm. Rep / Trainee	JOHN WYTANIS / CARLEEN YOCUM	Division/Group LIMA PEAK	
Minnesota DNR	PAUL PETERSON	Division/Group X / Y	
Cook County Sheriff	MARK FALK	Division/Group	
Candian Liaison	GERRY LEROUX	c. Branch III - Division/Groups	
7. Planning Section		Branch Director	
Chief	CLARK NOBLE; JOHN HEALY	Deputy	
Deputy		Division/Group	
Resources Unit	ROSS CATRON; SANDY GREGORY	Division/Group	
Situation Unit	RICK THOLEN	Division/Group	
Documentation Unit		Division/Group	
Demobilization Unit	ROSS CATRON	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	STEVE SCHUG	Air Support Supervisor	STEVE BUDD-JACK
		Helicopter Coordinator	
		Air Tanker Coordinator	
8. Logistics Section		10. Finance Section	
Chief	MEGAN TIMONEY	Chief	CAROL BASS
Deputy		Deputy	
Supply Unit	TIM KENNEDY; ROBERT HARPER	Time Unit	CHRISTINA FINLEY
Facilities Unit	BUTCH SMITH	Procurement Unit	
Ground Support Unit	RICHARD SEGERSTROM	Compensation/Claims Unit	
Communications Unit	MATT NILSEN	Cost Unit	CYNTHIA HIGBEE
Medical Unit	HARRY J WHEELER	Prepared by (Resource Unit Leader)	
Security Unit	VAL NORMAN	Sandy Gregory	
Food Unit	ROY MILLER		

Fire Weather Forecast

FORECAST NO: 6

NAME OF FIRE: HAM LAKE FIRE

PREDICTION FOR: Day Shift
SHIFT DATE: May 13, Sunday

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

TIME AND DATE
FORECAST ISSUED: 2030 CDT 12 MAY, 2007

WEATHER DISCUSSION:

....APPROACHING COLD FRONT WILL BRING WINDS AND A CHANCE OF RAIN TO THE INCIDENT...

A cold front approaching the area will bring a chance of showers and thunderstorms to the incident into Monday. Southeast winds will strengthen ahead of the front, and be gusty this afternoon, The front will pass through the incident late Monday, ushering in a drier and cooler air mass. Gusty northwest winds will follow the front into Tuesday.

TODAY:

WEATHER: Partly Cloudy. A chance of showers and thunderstorms in the afternoon.

TEMPERATURES: High 65 to 69.

HUMIDITY: Minimum 28 to 32%.

WINDS: All winds are 20 foot winds: South to southeast 10 to 15 mph, with gusts to 25 mph in the afternoon.

HAINES INDEX: 4 which low.

WINDS FOR AIROPS : 2000 feet above ground: Southeast winds 20 mph.

TONIGHT:

WEATHER: A chance of showers and thunderstorms.

TEMPERATURES: Low around 50.

HUMIDITY: Max above 85% by morning.

WINDS: Southeast 5 to 10 mph.

MONDAY:

Mostly cloudy. A chance of showers and thunderstorms. High in the mid 60s. Minimum humidity 45 to 55%. Southeast wind 10 to 15 mph becoming northwest and gusty late in the day.

MONDAY NIGHT:

Partly cloudy and cooler. Low in the mid 40s. Wind northwest 10 to 15 mph. Humidity above 80%.

EXTENDED FORECAST: TUESDAY AND WEDNESDAY:

Tuesday... Partly sunny. Gusty northwest winds. High 53 to 57.

Wednesday... Partly Sunny. High 55 to 60.

Weather Yesterday

Seagull ICP RAWS
Superior1 RAWS (near Div B)
Loon Lake Helispot (H3)

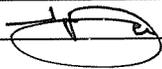
Max temp

67
64
62

Min RH

27%
27%
36%

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 11	TYPE OF FIRE: WILDFIRE
FIRE NAME: Ham Lake Fire	OPERATIONAL PERIOD: May 13 – Day Operations
DATE ISSUED: May 12, 2007	TIME ISSUED: 2100
UNIT: Superior NF	SIGNED: T. Doggett – FBAN (trainee) 

WEATHER SUMMARY:

See fire weather forecast.

FIRE BEHAVIOR

GENERAL:

WATCH FOR GUSTY WINDS ASSOCIATED WITH APPROACHING COLD FRONT

Forecasted high winds will spread the fire in a Northwesterly direction. Rapid rates of spread, group tree and intermittent crown runs are expected with this high wind component. Long range spotting up to .5 mile is possible in the expected conditions. Re-burn potential is high for under burned fuels. Spot fires will grow rapidly and quickly exceed direct attack. Probability of ignition 50% with cloud cover. Watch for island to island spotting and spotting over large bodies of water.

Expected rates of spread: Head fire up to 40 chains/hour, Flanking fire 3 chains/hour & Backing fire 2 chains/hour.

Expected flame lengths: Head fire 10-12 feet, Flanking fire 3-4 feet & Backing fire 1-2 feet.

Forecasted indices for today: ERC 53 - Very High & BI – 69 Extreme

SPECIFIC:

Divisions A, Z, D & E

Watch for spotting from the Southeast. Spot fires will grow quickly and exceed direct attack capability especially by mid-afternoon. Any interior unburned pockets of fuel and under burned fuels will be subject to group torching and intermittent crown runs. Snags continue to pose a hazard with high winds.

Divisions B & C

These divisions continue to hold the greatest threat and potential for fire perimeter expansion, especially the West flank of Division B. Unburned interior pockets and under burned fuels will be available group tree torching leading to intermittent crown runs producing long range spotting. The North side of Loon Lake, Saucer Lake and Rush Lake areas holds the highest threat of dynamic fire activity. Snags will continue to burn and pose a safety hazard.

Divisions W, X, Y

Division W has a high probability of spreading to the Northwest into the Saganaga Lake islands with rapid fire spread and long range spotting. Division Y will continue slowly moving westward through long range spotting into receptive fuels in the old Cavity Lake Fire area. Interior islands and under burned fuels will be receptive to group torching and intermittent crown runs producing long range spotting.

Structure Group 1

Large pockets of interior unburned and under burned fuels East of Seagull lake will be subject to group tree torching and possible intermittent crown runs. This activity will produce long range spotting and rapid fire growth especially in the afternoon.

Structure Group 2

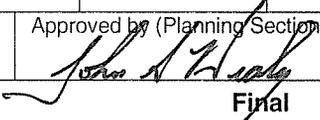
Fire spread along the Northeast end of Loon Lake and Crab Lake area will be subject to group torching and intermittent crown runs resulting in long range spotting effecting the East end of Gunflint Lake Road. Under predicted conditions, fire growth may flank along the South shore of Gunflint Lake slowly flanking Westward during afternoon hours.

AIR OPERATIONS:

Low level smoke will be present during the morning hours but lift quickly by mid-morning.

SAFETY

Remember to think about the trigger points on this incident. When the temperature reaches near 70 F and relative humidity drops below 30% coupled with high winds, we've experienced rapid fire growth. Stay informed of changing conditions.

Division Assignment List			1. Branch		2. Division/Group B		
3. Incident Name HAM LAKE			4. Operational Period 05/13/07 Sunday DAY Shift 0630 - 2000				
5. Operations Personnel							
Operations Chief		DAN BUCKLEY; STEVE RADDATZ		Division/Group Supervisor		MARK WINKELMAN; ROBERT HEAVIRLAND (T)	
Operations Chief		ROD COLLINS; DAN DALLAS(T)		Air Tactical Group Super.		LARRY ZAJANC	
Branch Director				Safety Officer		TONY BEITIA	
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;MORMON LAKE IHC;C-14		MATT CAOUCETTE		20	N	BASE / 0630	BASE / 2000
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;RED ROCK #5;E-85		PETER STEPHENSON		3	N	BASE / 0630	BASE / 2000
ENG4;ENG 470 FIRE TRAX;E-91		KELLY MCHENRY		3	N	BASE / 0630	BASE / 2000
ENG4;ENG NAX-72 T6;E-90		MAX BORINO		2	N	BASE / 0630	BASE / 2000
ENG4;AURORA FD;E-33		KENT DICKINSON		3	N	BASE / 0630	BASE / 2000
ENG6;ENGINE 9504;E-92		THOMAS SAYLORS		3	N	BASE / 0630	BASE / 2000
ENG6;LAKELAND FD;E-36		JEREMY NISSILE		2	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
ENG6;ZIMMERMAN 4399;E-34		MIKE PELTIER		3	N	BASE / 0630	BASE / 2000
ENGU;NODWELL #3;E-29		DAVE ROKEH		2	N	BASE / 0630	BASE / 2000
DOZ1;BAUTCH CONSTRUCTION;E-50		STAN BAUTCH		1	N	BASE / 0630	BASE / 2000
DOZ3;BAUTCH CONSTRUCTION;E-51		STAN JR BAUTCH		1	N	BASE / 0630	BASE / 2000
DOZ1;VERN HOFF;E-45		VERN HOFF		1	N	BASE / 0630	BASE / 2000
DOZ2;HUMPHREY DOZER - C;E-2		Aaron Smith		2	N	BASE / 0630	BASE / 2000
continued on next page						BASE / 0630	BASE / 2000
7. Control Operations Contain fire with direct attach from Gunflint Trail. Coordinate structure protection with Structure Group 2.							
8. Special Instructions Engage and disengage as appropriate in response to fire behavior. All personnel traveling on water MUST have water safety training.							
9. Division/Group Communications Summary							
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	Refer to	Communications	Plan				
Tactical Div/Group							
Logistics							
Air to Ground							
Prepared by (Resource Unit Leader) D. Ross Catron			Approved by (Planning Section Chief) 		Date Prepared 05/12/07		Time Prepared 1136

Division Assignment List		1. Branch		2. Division/Group D			
3. Incident Name HAM LAKE		4. Operational Period 05/13/07 Sunday DAY Shift 0630 - 2000					
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		
HC2IA;MIDEWIN;C-1	JERRY HOFFMAN	19	N	BASE / 0630	BASE / 2000		
WILDLAND S/T #6				BASE / 0630	BASE / 2000		
DOZ1;VERN HOFF;E-45		1	N	BASE / 0630	BASE / 2000		
FALB	ROBERT MONROE	1	N	BASE / 0630	BASE / 2000		
FALB	DAN CASTILLO	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 Continue to secure perimeter working south from Gunflint Trail. Do not open Banadad Ski Trail with mechanized equipment.							
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.							
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 05/12/07	Time Prepared 1705	

Division Assignment List		1. Branch		2. Division/Group	
3. Incident Name HAM LAKE		4. Operational Period 05/13/07 Sunday 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
KALMATH IHC				BASE / 1200	BASE / 2000
ELDORADO IHC				BASE / 1200	BASE / 2000
KINGS RIVER IHC				BASE / 1200	BASE / 2000
HC2;PLATTE CANYON;C-13	DAMON LAURION	19	N	BASE / 0630	BASE / 2000
ENG6;ENG 6307;E-21	JASON KERN	2	N	BASE / 0630	BASE / 2000
ENG6;ENG 2063;E-20	CRAIG CRENSHAW	5	N	BASE / 0630	BASE / 2000
ENG6;PK2 - BEMIDJI ENGINE;E-26	CHRISTINE WEIR KOETTER	2	N	BASE / 0630	BASE / 2000
ENG6;DLR 6141;E-56	DARRIN FRANCO		N	BASE / 0630	BASE / 2000
SOF2	STEVEN DAVIS	1	N	BASE / 0630	BASE / 2000
STCR	BOO HINTON	1	N	BASE / 0630	BASE / 2000
STCR	KEITH SMITH(T)	1	N	BASE / 0630	BASE / 2000
EMTB	JOHNNIE HYDE	1	N	BASE / 0630	BASE / 2000
7. Control Operations Construct indirect control line from the road at the east end of Mayhew Lake though Topper Lake to South Lake.					
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.					
9. Division/Group Communications Summary					
Function	Frequency - RX	Frequency - TX	Tone	System	Channel
Command		REFER	TO	COMMO	PLAN
Tactical Div/Group					
Logistics					
Air to Ground					
Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)			Date Prepared	Time Prepared
D. Ross Catron				05/12/07	1709

Division Assignment List	1. Branch	2. Division/Group STRUCTURAL GROUP #2
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3. Incident Name HAM LAKE	4. Operational Period 05/13/07 Sunday DAY Shift 0630 - 2000
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5. Operations Personnel

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

6. Resources Assigned this Period

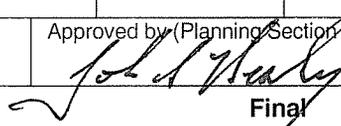
Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
METRO TF#1 (TF#1 includes engines E-126, E-127, E-128, E-129 & E-130)	BRIAN PISERAK	19	N	BASE / 0630	2000/ BASE
METRO S/T #2 (S/T#2 includes engines E-166, E-167, E-168, E-169 & E-170)	ERNIE SCHMITT	18	N	BASE / 0630	2000/ BASE
METRO S/T #3 (S/T#3 includes engines E-173, E-174, E-176, E-178 & E-179)	STEVE TEETER	22	N	BASE / 0630	2000/ BASE
METRO S/T #4 (S/T#4 includes engines E-171, E-172, E-175, E-177 & E-180)	DON LANTZ	25	N	BASE / 0630	2000/ BASE
WILDLAND TF #5 (TF#5 includes engines E-58, E-86, E-87, E-88 & E-89)	S. WARNER / M. LAWLER(T)	16	N	BASE / 0630	2000/ BASE

7. Control Operations
Provide structure protection from the 1347 Road west to Popular Fire Station. Coordinate with DIV B/C/D/E.

8. Special Instructions
Engage and disengage as appropriate in response to fire behavior. All personnel traveling on water MUST have water safety training.

9. Division/Group Communications Summary

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	Refer to	Communications	Plan				
Tactical Div/Group							
Logistics							
Air to Ground							

Prepared by (Resource Unit Leader) D. Ross Catron	Approved by (Planning Section Chief) 	Date Prepared 05/12/07	Time Prepared 1220
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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 (351 CH designated aircraft).		
Medevac	Fly to ICP Helipad based upon medical unit instructions.		
Prepared By: Jeff Gardetto AOBD		5/12/07	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	5/12/2007 1940	5/13/2007 DAY

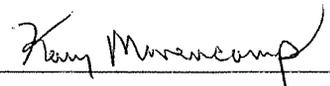
4. Basic Radio Channel Utilization

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 Z & W	
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 155.985 Tx	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	

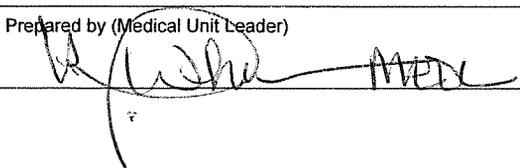
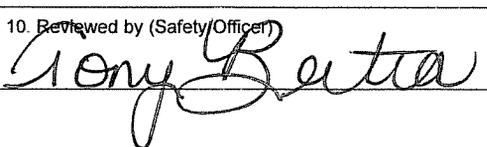
All frequencies are Analog – Narrowband except as noted

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	5/12/2007	1830	5/13/07 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		Loon L. 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>***Please identify the EMT's and Paramedics in your crews & advise Medical Unit.</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: 40 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 Helibase**

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

Signature:  05/13/2007

HEALTH AND SAFETY MESSAGE

SAFETY starts with *YOU*

We are ALL accountable for SAFE behaviors

For Day Operations: May 13, 2007

INCIDENT: **Ham Lake**

DATE: May 12, 2007

TIME: 2000

Major Hazards and Risks:

- **Driving & Traffic:** Cook County Road 12, vand narrow, congested roads in fire area.
- **Hazard Trees:** in the fire area and in camp
- **Personal Hygiene**

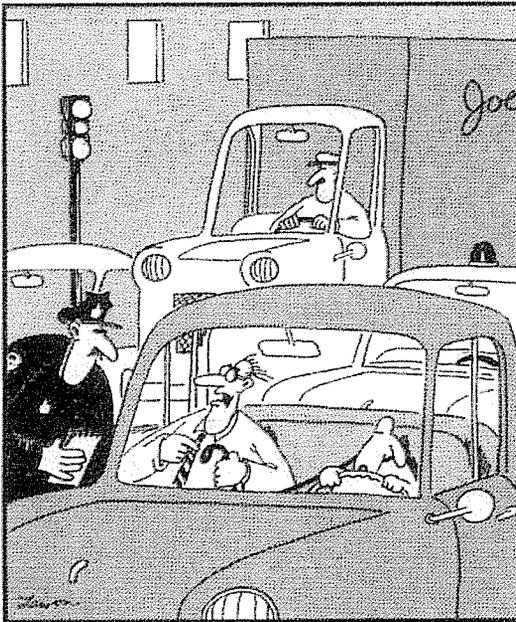
Fire Order of the Day: *Give clear instructions and insure they are understood.*

- **Task** = What is to be done
- **Purpose** = Why it is to be done
- **End State** = How it should look when done

NEED MORE INFO????.....Check your IRPG, Page ix (white pages)

Operational Leadership

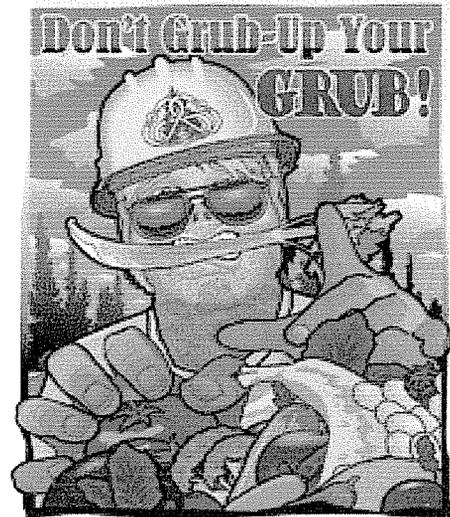
- **TAKE CHARGE** of assigned resources
- **MOTIVATE** with a "CAN DO SAFELY" attitude
- **DEMONSTRATE INITIATIVE**take action
- **COMMUNICATE**.....give specific instruction
- **SUPERVISE**.....be accountable for your actions



"Hey, I'm not crazy. ... Sure, I let him drive once in a while, but he's never, never off this leash for even a second."

Personal Hygiene

- **Wash your hands every opportunity**
- **Don't share personal items**
- **Be proactive....visit the Med Unit**
- **Get 8 hours of rest each night**



Wash-Up Before You Chow-Down!



Thanks from your Safety Team!!

Tony Beitia George Pozzuto Chad Stewart
Jim Grant Steve Davis
Bob Kari Bob Shoemaker

STATISTICS

Hours Worked: 24,525

Injuries: 4

Hours/injury = 6131

GREAT JOB!!!!

Tony Beitia 05/13/2007

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 • Increase following distances on dusty road surfaces • Use 4 way flashers or hazard lights in areas of heavy smoke 	
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 	
B, C, D, E	Reburn	<ul style="list-style-type: none"> • Post LOOKOUTS • Practice "Tactical Watch outs", IRPG page 5 	
	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 	
All	Personal Hygiene	<ul style="list-style-type: none"> • Wash your hands on a regular basis • Don't share personal items such as razors, toothbrushes, etc. • Use preventative measures to limit exposure to illness 	
B, W	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 • Park Engines with wheels off pavement on CC 12 • Use 4 way flashers or overhead lights 	
Structure Group	Structure Protection	<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 	
Structure Group	HAZMAT	<ul style="list-style-type: none"> • Isolate and keep distance > 100' from LPG tanks • Watch out for fuel and gasoline tanks under decks • Review UXO Safety on page 31 in IRPG 	
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 briefings • Don't plan on air resources for medical transport or re-supply • Directing Bucket Drops, IRPG, page 61 	
All Spike Camps	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 • Follow MIST guidelines established in safety training 	
INCIDENT NAME Ham Lake		DATE & TIME PREPARED 05/12/2007 1900	OPERATIONAL PERIOD 05/13/2007 Day

Henry Rector



Today's discussion is from the Fireline Safety Category.

Scenarios:

Scenario 1

Scenario 2

Six Minutes Home Page

BACKFIRING OR BURNOUT OPERATIONS

Backfiring or burnout operations are often critical operations in the fire management job. If planned and executed correctly, they can speed control of a fire and greatly reduce suppression costs. Conversely, if done incorrectly, they can endanger personnel, extend control time and increase cost. Safety considerations must always be given first priority. No backfiring or burnout action, regardless of strategic importance or other critical factors, is worth risking one human life!

- Backfiring or burnout operations must not jeopardize the safety of personnel or equipment or compromise suppression actions on adjacent portions of the fireline.
- One qualified individual must be responsible for controlling and directing the firing operation.
- Before beginning backfiring or burnout operations, assure that:
 - Lookouts are posted.
 - Communications are established with both firing and holding teams.
 - Escape routes and safety zones are established, known to all resources, and will not be compromised by the firing operations.
- If it is necessary, and time allows, concentrations of fuel adjacent to and inside the control line should be removed.
- Fuel outside the control line may be removed; concentrations of fuel may be scattered, covered with foam or wet down, or treated by ground or aerial retardant applications.
- Critical points such as hooks in the fireline, saddles or canyon may require extra holding forces.

References:

Fireline Handbook--PMS410-1, NFES0065, NWCG

Standards for Fire and Fire Aviation Operations, Interagency, www.nifc.gov/references/index.html

Superior National Forest Minimum Impact Management Tactics

Standards for Snag Removal on Portage Trails in Wilderness

The Forest is committed to minimizing impacts during fire suppression and mop-up activities. As the fire progresses, Resource Advisors will work with the Incident Management Team and Ground Crews to implement MIST within the Boundary Waters Canoe Area Wilderness.

Why should we use minimum impact tactics for snag removal?

- 1 Snags provide habitat for wildlife
- 2 These portage trails are frequently traveled by visitors who enjoy a natural and scenic appearance, even a fire appearance
- 2 Removal of trees has a lasting impact on soils with the loss of root structures
- 3 We are trying to maintain the wilderness character of the area as Forest Service Policy requires
- 4 The visiting public handles the effects of fire well, they have a more difficult time handling the effects of suppression on portages and campsites

When is it appropriate to cut snags? - SAFETY

- 5 When a tree has a totally exposed or compromised root system on campsites and along portage trails
- 6 When a tree can't be pushed over by hand
- 7 If the tree is completely burned out on the interior
- 8 When there is a high risk of exposure to firefighter activities. Will firefighters be working in the area frequently or just passing through once or twice?
- 9 Consider flagging the snag until the exposure is over

The following guidelines will be followed during snag cutting operations on portage trails in the wilderness:

- 10 Please remember the need to protect natural aesthetics along major canoe travel corridors, Resource Advisors can help identify these corridors
- 11 Honestly assess the need for snag removal. Is it necessary for safety? Can the area be avoided? Can I let it burn down?
- 12 Selectively cut snags that need to come down (avoid clear cuts)
- 13 Minimize multiple "firewood" length cuts
- 14 Cut stumps low and camouflage stumps with dirt
- 15 Avoid cutting old growth and cavity trees which could provide wildlife habitat
- 16 Slope cut faces away from the line of site if possible

Thank you for your hard work and efforts to minimize the effects of suppression activities within the wilderness. If you have any questions or concerns please talk to one of our friendly Resource Advisors.

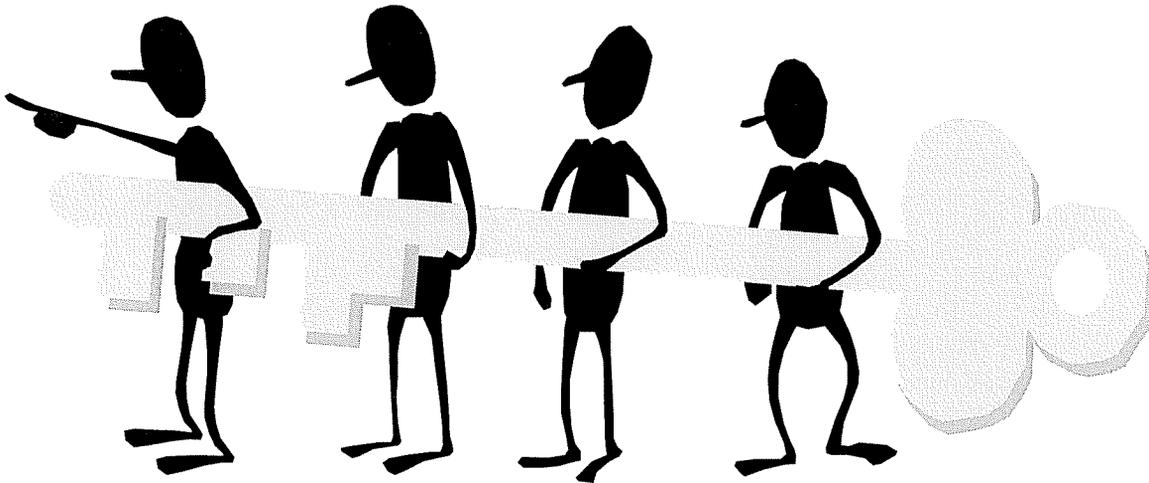
Human Resources Message

Paul Bryant and Andrea Payne



TOLERANCE

Exercise TOLERANCE.
Pracise TOLERANCE.
JUST DO IT



Pledge to respect people whose abilities, beliefs, cultures, race, sexual identity, or other characteristics are different from your own.

You all are the key to getting our job and having fun doing it!

Trivia: What is the largest body of fresh water in the world?
Lake Superior

Rental Car Info

Please complete the following information and return this form to Finance.

Make:

Model:

Color:

License Number:

Rental Car Company (Name and City where rented):

Who rented it:

How was it rented:

Who is it assigned to:

Resource Order Number:

