

Ham Lake Fire

INCIDENT ACTION PLAN

DAY SHIFT

Monday

May 7, 2007

P9DER5

MN-SUF-070072

Project 37113430

INCIDENT OBJECTIVES	1. Incident Name HAM LAKE FIRE	2. Date 5/06/07	3. Time 2100 hrs
4. Operational Period DAY SHIFT			
5. General Control Objectives for the Incident (include alternatives) INCIDENT OBJECTIVES: <ol style="list-style-type: none"> 1. Safety of all assigned personnel. We will fully implement LCES, 10/18 and adhere to safety procedures. 2. Safety of local residents, and visitors to the Forest. Coordinate with the County Sheriff and local EMS. 3. Keep the public well informed with daily updates. Issue press releases and conduct local informational meetings. 4. Minimize impact when working in the wilderness. Tactics will incorporate wilderness management objectives and are appropriate for resource concerns. 5. Primary suppression objective is to protect structures on the upper Gunflint Trail, and hold fire to west of the Gunflint Trail between Tuscarora and Seagull Guard station. 6. Implement cost effective strategies within the limits determined by the WFSA. 7. The Forest will have initial attack responsibilities but coordination and sharing of resources may be necessary. 8. Protect known heritage sites within the Ham Lake fire perimeter 			
6. Weather Forecast for Period TODAY: Warmer, temps low 70's; RH mid 40's; wind shifting to the SW shifting to west during the day with gusts to 25 MPH, wind decreasing after 2400 TONIGHT: Partly cloudy; temps 47-52; RH 50's%; wind SW-W less then 10 MPH TUESDAY: Partly cloudy; temps 70's; RH 30-35%; wind SW 10 MPH			
7. General Safety Message Extreme fire behavior was observed on Sunday. Fire increased significantly. HEADS-UP at all times. Stayed informed of Fire Behavior; stay in Communication; be aware of the Fire Environment; Water Operations can be very hazardous REVIEW THE IAP SAFETY MESSAGE!!			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203 <input checked="" type="checkbox"/> Medical Plan - ICS 206 <input checked="" type="checkbox"/> Air Operations <input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204 <input checked="" type="checkbox"/> Incident Map <input type="checkbox"/> <input checked="" type="checkbox"/> Communications Plan - ICS 205 <input type="checkbox"/> Traffic Plan <input type="checkbox"/>			
9. Prepared by (Planning Section Chief) Jim Rupert		10. Approved by (Incident Commander) John Stegmeir	

Fire Behavior Forecast

Name of Fire: Ham Lake Fire

Date: Monday May 7, 2007

Forecast Number: 1

Prepared By: Bruce Giersdorf FBAN

Signed:

Unit: Gunflint RD, Superior N.F.

Prediction for: Day Shift

Date and Time Issued: 5/6/07 2030 hrs.

Fire Weather: Strong winds again today with low RH's. Winds gradually shifting to the southwest through the day. Winds will decrease on Tuesday and Wednesday. A chance of showers exists each day.

Today: Temps 70
 RH 30 – 35%
 Wind SSE changing to Southwest by early afternoon
 12 – 15 mph with gusts to 25
 Sun 3 hours

Fire Behavior General Forecast:

- Fine fuels, 10 and 100 hr. fuels are carrying fire readily.
- Surface fire in these fuels and duff is preheating aerial fuels and producing torching.
- Spot fires are likely to result from single and group tree torching.
- Probability of ignition 60%.
- Spotting distance out to 2000' although most spots will fall within 500' of the brand source.
- The following are predictions for fire spread in unburned fuel tomorrow.

Mixed wood M2 (Canadian subsystem) with 30% conifer

Forward ROS up to 60 ch/hr.
Flanking ROS 6 to 10 ch/hr.
Backing ROS 1 ch/hr.

Flame Lengths @ head 12 to 16 ft.
Flame Lengths @ flank 4 - 6 feet
Flame Lengths @ backing 2 ft.

- Watch for spot fires east of the gunflint trail.
- South side will see fire continue to back into unburned fuel.
- North End will continue to move actively in unburned
- Torching and active crown runs can be expected.

Air Operations: A morning inversion should not be an issue. Air operations should be good to go early.

Safety:

- ✓ Remember LCES!!!!!!
- ✓ Watch those snags!!!!!!!!!!!!!!
- ✓ Have your escape routes and safety zones covered!!!!!!!!!!

ORGANIZATION ASSIGNMENT LIST		9. Operations Section		
		Chief	GREG PETERSON	
1. Incident Name Ham Lake Fire		Planning Ops	JIM EDGAR	
		a. Branch I - Division/Groups		
		Branch Director		
2. Date 05/07/07	3. Time 2100	Division/Group	A	TOM ROACH
		Division/Group	B	DAN GRINDY
4. Operational Period DAY SHIFT		Division/Group	c	TERRY OLSON
		Division/Group	Z	
Position	Name	Division/Group	SG	TOM LYNCH
5. Incident Commander and Staff		Division/Group	PS	TOM KAFFINE
		b. Branch II - Division/Groups		
Incident Commander	JOHN STEGMEIR	Branch Director		
Deputy	MIKE ALTMAN	Deputy		
Safety Officer	RON GUCK	Division/Group		
Information Officer	CYNTHIA SAGE	Division/Group		
Liaison Officer	DAVE SNETSINGER	Division/Group		
6. Agency Representative		Division/Group		
Agency	Name	Division/Group		
USFS	DENNIS NEITZKE	c. Branch III - Division/Groups		
		Branch Director		
		Deputy		
		Division/Group		
7. Planning Section		Division/Group		
Chief	JIM RUPERT	Division/Group		
Deputy		Division/Group		
Resources Unit	JON DRIMEL	Division/Group		
Situation Unit	RANDY MELL	Division/Group		
Documentation Unit		d. Air Operations Branch		
Demobilization Unit		Air Operations	KEYTH WALLIN	
Technical Specialists		Air Attack Supervisor		
Human Resources		Air Support	MIKE EILERS	
Training		Helicopter Coord.	DOUG LLOYD	
GISS	BJ GLESSNER	Air Tanker		
FBAN	BRUCE GIERSDORF	10. Finance Section		
SCKN		Chief	KEVIN O'BRIEN	
		Deputy		
8. Logistics Section		Time Unit	JOHN KELLY / ANGIE LARSON (†)	
Chief	DUANE CIHLAR	Procurement Unit		
Deputy	JERRY JUSSILA	Comp. /Claims Unit	KURT HINZ	
Supply Unit	JAY LAUER	PTRC		
Facilities Unit	DENNIS CAMERON			
Ground Support Unit	MARK SEGER			
Communications Unit	MIKE HAYES	Prepared by (Resource Unit Leader)		
Medical Unit	RICHARD MARSOLEK	JON DRIMEL		
Security Unit				
Food Unit				

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group A			
3. Incident Name Ham Lake Fire		4. Operational Period Date: 05/07/07 Time: 0700 - 1900					
5. Operations Personnel							
Operations Chief	Greg Peterson		Division/Group Supervisor		Tom Roach		
Planning Ops	Jim Edgar		Air Operations		Keyth Wallin		
6. Resources Assigned This Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans Needed	Drop Off PT/Time	Pick Up PT/Time		
Midewin Hot Shots	Hoffman	19	N	DP 5	0800		
Eng 4309	Anderson	2	N	DP 5	0800		
Bautch Dozer	Carlson	1	N	DP 5	0800		
DOZB							
7. Control Operations Patrol and mop up in Division A. Secure area around Tuscarora Lodge.							
8. Special Instructions Utilize air resources as needed.							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command		King		Air to Ground			
Tactical Div/Group		King					
Prepared By (Resource Unit Leader) Jon Drimel		Approved By (Planning Sect. Ch.)		Date 05/06/07	Time 2100		

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group B			
3. Incident Name Ham Lake Fire		4. Operational Period Date: 05/07/07 Time: 0700 - 1900					
5. Operations Personnel							
Operations Chief	Greg Peterson		Division/Group Supervisor		Dan Grindy / Rob Heavirland (t)		
Planning Ops	Jim Edgar		Air Operations		Keyth Wallin		
6. Resources Assigned This Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans Needed	Drop Off PT/Time	Pick Up PT/Time		
MIFC #2	West	20	N	A/B Div Break	0800		
Tuttle Dozer		1	N	A/B Div Break	0800		
Humphrey Dozer		1	N	A/B Div Break	0800		
DOZB	K. Norman	1	N	A/B Div Break	0800		
DOZB (t)	Knapper	1	N	A/B Div Break	0800		
Eng 6307	Kern	2	N	A/B Div Break	0800		
Eng 2063	Crenshaw	3	N	A/B Div Break	0800		
7. Control Operations Construct dozer line and secure fire on the north side of Gunflint Trail.							
8. Special Instructions Utilize air resources as needed.							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command		King				King	
Tactical Div/Group		King					
Prepared By (Resource Unit Leader) Jon Drimel		Approved By (Planning Sect. Ch.)		Date 05/06/07		Time 2100	

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group Structure			
3. Incident Name Ham Lake Fire		4. Operational Period Date: 05/07/07 Time: 0700 - 1900					
5. Operations Personnel							
Operations Chief		Greg Peterson		Division/Group Supervisor		Tom Lynch	
Planning Ops		Jim Edgar		Air Operations		Keyth Wallin	
6. Resources Assigned This Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans Needed	Drop Off PT/Time	Pick Up PT/Time		
Eng 573	Kufahl	2	N	Seagull Outfitters	0800		
Eng 21	Igoe	2	N	Seagull Outfitters	0800		
Eng 22	Lindgren	2	N	Seagull Outfitters	0800		
Eng 563	Backer	2	N	Seagull Outfitters	0800		
Eng 708	Waliman	2	N	Seagull Outfitters	0800		
STEN	Bennett	1	N	Seagull Outfitters	0800		
7. Control Operations Provide structure protection along Gunflint Trail.							
8. Special Instructions							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command		King		Air to Ground			
Tactical Div/Group		King					
Prepared By (Resource Unit Leader) Jon Drimel		Approved By (Planning Sect. Ch.)			Date 05/06/07	Time 2100	

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group Public Safety			
3. Incident Name Ham Lake Fire		4. Operational Period Date: 05/07/07 Time: 0700 - 1900					
5. Operations Personnel							
Operations Chief	Greg Peterson		Division/Group Supervisor		Tom Kaffine		
Planning Ops	Jim Edgar		Air Operations		Keyth Wallin		
6. Resources Assigned This Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans Needed	Drop Off PT/Time	Pick Up PT/Time		
PS Crew	Kaffine	6	N		0800		
7. Control Operations Scout possible spike camps. Help brief new crews. Contact water safety training. Perform additional closings of entry points.							
8. Special Instructions Crew: Goetzenger, Dressley, Erickson, Wiinenen, Johnson, Nelson							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
W Command		King		E Command		King	
Tactical Div/Group				Air to Ground		King	
Prepared By (Resource Unit Leader) Jon Drimel		Approved By (Planning Sect. Ch.)		Date 05/06/07	Time 2100		

9. PREPARED BY (MEDICAL UNIT LEADER) *G. J. S. Smith*

10. REVIEWED BY (SAFETY OFFICER) *Knowledge Quiz 50-2*

REPORT OF MEDICAL EMERGENCY TO SUPERVISOR → IC NOTIFIED

→ SUPERVISOR NOTIFY COMMUNICATIONS → MEDICAL UNIT ALERTED

→ CLEAR RADIO FREQUENCY ESTABLISHED → CONTACT ON SCENE IDENTIFIED

→ NUMBER OF INJURED OR ILL PERSONS (NO NAMES OVER RADIO)

→ NATURE OF INJURY/ILLNESS → SEVERITY (HOW BAD) → LOCATION (WHERE)

→ IDENTIFY RESOURCE NEEDS (AMBULANCE, HELICOPTER, USFS BEARS) → EVACUATION

8. MEDICAL EMERGENCY PROCEDURES

NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER
		AIR	GRND		YES	NO	
COOK CO.	GRAND MARAIS, MN	1 HR					X
ST. MARY'S	DULUTH, MN	1 HR	3 HR	786-4357			X
ST. LUKES	DULUTH, MN	1 HR	3 HR				X
ELT-BLOOMENSON	ELT, MN	20 MIN	3 HR	365-3211			X

7. HOSPITALS

NAME	LOCATION	PARAMEDICS
HELICOPTER 3-BRNO-BRNO	LEON L. HELIPASE / 254-387-7922	X

B. INCIDENT AMBULANCES

NAME	ADDRESS	PHONE	PARAMEDICS
GUNFUNT AMBULANCE	GUNFUNT LODGE	387-3030	X
COOK CO. AMBULANCE	GUNFUNT TRL # 5TH	387-3030	X
LUKE'S ONE (AIR)	DULUTH, MN	800-824-5773	X
LIFE FLIGHT (AIR)	DULUTH, MN	800-447-5540	X

A. AMBULANCE SERVICES

6. TRANSPORTATION

MEDICAL AID STATIONS	LOCATION	PARAMEDICS
MEDICAL UNIT	I.C.P.	X
EMTs & 1st Responders	With Crews in Field	X
Crew 1st Aid Kits	In Vehicles in Field	X

5. INCIDENT MEDICAL AID STATIONS

1. INCIDENT NAME	HAM LAKE FIRE
2. DATE PREPARED	6 MAY 07
3. TIME PREPARED	1800
4. OPERATIONAL PERIOD	0700-2300

EMERGENCY MEDICAL TRANSPORT PLAN

Many of us have been involved with medical emergencies on past incidents. Frequently, these have resulted in evacuation of the sick or injured party. A happy outcome from any evacuation depends, in a large part, on clear communications and teamwork. To facilitate this we have put together a flow chart, derived from FSH 6709. In the event of any **major medical incident**, we hope this will help all of us deal with the emergency and result in a successful conclusion. Remember to: Stay alert. Keep calm. Think clearly. Act decisively.

First report of Medical Emergency to Supervisor

Supervisor notifies Communications Unit

Medical Unit alerted

Clear Radio Frequency established

Identify contact at scene (preferably an EMT or First Responder)

Number of injured or ill persons (remember, no names over the radio – ever; ages and genders okay however)

Nature of injury / illness (What kind?)

Severity of injury / illness (How bad?)-----based on: ABCs
LOC
Vital signs

Location of patient -Where at?-Remote?-Close in?- Provide GPS coordinates

Identify resource needs-----Ambulance? Aircraft?
Ground transport?
Boat?
Other EMTs?

Choose the appropriate response

Air evacuation? Ground evacuation? Water evacuation? – to local ambulance pick-up or hospital.

INCIDENT RADIO COMMUNICATIONS PLAN			1. Incident Name Ham Lake Fire		2. Date/Time Prepared 05/06/2007 20:30		3. Operational Period Date/Time 05/07/2007 Day Shift	
4. Basic Radio Channel Utilization								
Radio Type/Cache	Channel	Function	Receive Frequency/Tone	Transmit Frequency/Tone	Mode	Assignment	Remarks	
King	1	Tac 1	168.0500	168.0500	Narrow	Division A		
King	2	Tac 2	168.2000	168.2000	Narrow	Structure		
King	3	Tac 3	168.6000	168.6000	Narrow	Division B		
King	4	Tac 4	164.1375	164.1375	Narrow	Division C		
King	5	Not assigned						
King	6	Command Rpt.	168.7000	170.9750	Narrow	All operation areas to ICP		
King	7	Not assigned						
King	8	Not assigned						
King	9	SUF Gunflint Rpt.	169.9250	170.5250 110.9	Narrow	Backup Command		
King	10	Cook Co. Sheriff	158.730 D743	155.985 D627	Wide	Emergency Contact		
King	11	Not assigned						
King	12	Primary A/G	169.2000	169.2000	Narrow	Primary Air to Ground all areas		
King	13	Secondary A/G	166.6875	166.6875	Narrow	Secondary Air to Ground all areas		
King	14/16	Air Guard	168.6250	168.6250 110.9	Narrow	Initial or emergency contact with	Aircraft	
5. Prepared by (Communications Unit) Mike Hayes COML								

AIR OPERATIONS SUMMARY

PREPARED BY: Keyth Wallin

PREPARED DATE/TIME: 5-6-07/2100

1. INCIDENT NAME: East Zone Complex	2. OPER PERIOD DATE: 5-7-07 START: 0800 STOP: 2050	3. # OF COPIES NEEDED: 15
4. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, TFR Coordinates, etc.): Note new frequencies. Multiple Aircraft on incident. Structure protection involved along Gunflint Trail and Seagull Lake.		5. TFR: Radius: <u>7</u> NM Altitude: <u>6500</u> MSL Centerpoint: Lat: 48 04.195' Long: 90 50 271'

6. PERSONNEL	Phone	7. FREQUENCIES	AM	FM
AOBD: Keyth Wallin		AIR/AIR FW:	122.425	
ATGS: Jody Leidholm	218-360-2211	AIR/AIR RW:		
HLCO: Doug Lloyd		AIR/GROUND: Primary		169.200N
ASGS:		AIR/GROUND: Secondary		166.6875
HEBM: Mike Eilers	387-3069	COMMAND RPT C1:	Rx:168.700	Tx:170.975
		DECK:	168.350	
		TOLC:		

8. FIXED-WING	# Avail / Type / Make-Model / FAA N# / Base(s)
Airtanker	CL215 Hibbing-T263, Ely-T267, Albuquerque-T262
Airtanker:	P-3 Orion / T-21/ Ely
Leadplanes	
ATGS Aircraft:	Ham lake Air Attack
	Air Attack 2- Hibbing
	Ely Air Attack--Ely
Other	3 Beavers on floats in Ely

9. HELICOPTERS (Use Additional Sheets As Necessary)

FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS
863H	3	Bell 206 L4	CKC	0930	0900	ignition							
697	1	Sikorsky S-61	CKC	1000	0930	Bucket							
HT-744	1	Sikorsky s-64	ckc	0830	0800	Tanked							

10. TASK/MISSION/ASSIGNMENT (Use ICS-220a if additional space needed; Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, etc.)

TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (if applic) OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
Recon	Beaver as needed	0800	Gunflint	Fire
Water Dropping	Bucket work if needed	0900	CKC	DIV A
Air Tactical	Aerial Supervision during aerial operations	If Needed		

HEALTH AND SAFETY MESSAGE

SAFETY starts with ***YOU***

We are **ALL** accountable for **SAFE** behaviors

INCIDENT: Ham Lake Fire DATE: May 7, 2007 Oper. Period:0700-2100

Major Hazards and Risks:

- 1. Extreme Fire Behavior 2. Transportation 3. Hazard Trees 4. Air Operations**

Fire Order of the Day – Initiate ALL actions based on current/forecasted weather and expected fire behavior

Narrative: 1. Monitor the weather hourly and report all dramatic changes to FBAN. Implement the 10 Fire Orders and 18 Watchout Situations prior to engaging. Identify trigger points for disengagement.

2. Drive only the speed that the conditions allow. Given the current situation, this will be well below the posted speed limit. Fasten your seatbelt, keep the headlights on and always look out for the “other” guy.

3. SNAGSSNAGSSNAGS!! They are already falling across the road and will continue to do so as the fire weakened roots will no longer hold. Use page 80 of the I.R.P.G. as a guide for mitigations.

4. Coordinate between divisions and air attack. Establish air/ground communications. Review and implement aviation Watch Out Situations on page 46 of the I.R.P.G.

HAVE A SAFE SHIFT!!

Watch Out Situation of the Day



15.WIND INCREASES AND/OR CHANGES DIRECTION

LCES

**LOOKOUT, COMUNICACION,
ESCAPE ROUTE, SAFETY ZONE**

Pronunciacion:

Luk aut, Ca mun i que shi on,

Es quep Ra out, Saef ti Zon

MCEZ

**MIRADOR, COMUNICACION,
RUTA DE ESCAPE, ZONA DE SEGURIDAD**

Pronunciacion:

Mee rah door, Co moon ee kah see eon,

Roo tah de Es cah peh, Zoe nah de Seh gur ee dahd

Incident Safety Officer: _____

*LCES ANALYSIS OF TACTICAL APPLICATIONS											OTHER RISK ANALYSIS					
Division/Group	Downhill Fireline	Underlung Fireline	Indirect Fireline	Mid-slope Fireline	Frontal Assault	Anchor Points	Extreme Conditions Spotting, wind-driven	Unburned Area	Snags	LCES Mitigations	Hazardous Materials	Transportation Thr	Communications	Structure Protection	Multi-Aircraft	Other Risk Mitigations
A						X	X	X		Aerial observations Identify snags - remove where safely possible Implement the ID # 18 prior to engaging, Risk Assessment Use IRPG Page 1	X		X	X	X	Drive at or below speed limit maintain commo with all resources. Utilize air attack Retake personnel to limit exposure to smoke
B						X	X	X		Establish solid anchor point before line construction snags - same as Div A Fire behavior - unburned areas - same as Div A. Implement 10 # 18 prior to engaging Page IRPG - Risk Assessment	X		X	X	X	Apply same mitigations as Div A.
C						X	X	X		Mitigations same as in Div A & B Page 1 IRPG - Risk Assessment	X		X	X	X	Mitigations same as in Div A-B
Structure Protection						X	X	X		Mitigations same as Div A-B-C Page 1 IRPG - Risk Assessment	X		X	X	X	Page 14 IRPG as Div A-B-C Structure Assessment checklist
						X	X	X		All Divs. Monitor weather hourly Report drastic changes.						

***LCES ANALYSIS OF TACTICAL APPLICATIONS**

OTHER RISK ANALYSIS

INCIDENT SAFETY ANALYSIS (*LCES)

*Lookouts, Communications, Escape routes, Safety zones (LCES)

1. Incident Name
HAW LAKE FIRE

2. Date Prepared
5-6-07
Time Prepared
1845

3. Operational Period
(Date/Time)
5-7-07

