

Sunday May 20, 2012 I.A.P.

Highway One Fire

Operational Period 0700 – 1900

P9GU30

SAFETY MESSAGE

Heavy Equipment Operations

- Make sure you wear all the required Personnel Protective Equipment required for your piece of equipment (Hardhat, Nomex, Gloves, Eye Protection, Hearing Protection, etc.) during operations.
 - Make sure you have properly “checked in” to the Incident.
 - Establish visual & radio communication methods prior to engagement.
 - Make sure you get a pre-inspection of your equipment as required by the Incident.
 - Make sure your “Shift Tickets” are properly filled out & signed by your supervisor.
 - Make sure you know who you work for (Heavy Equipment Boss) & have a clear understanding of your mission.
 - Make sure you communicate all known hazards (rocks, wet areas, snag patches, etc.) to the operator.
 - Never approach equipment until you have eye contact with the operator.
 - Stay at least 100’ in front or 50’ behind the equipment.
 - Do not ride on equipment (unless the equipment is designed to do so).
 - Report any damage to your equipment to your supervisor.
 - Make sure a post inspection is completed when you are demobbed from the Incident & all time concerns are taken care of.
-

Review the Medical Procedures in the IAP (also in the pink pages of your IRPG) & review with your Division personnel.

Other safety concerns: Powerlines, Chainsaw operations, Driving, Snags, Tics, Mine Shafts, etc.

Have a good safe & productive shift.
Kurt Schierenbeck IMT Safety Officer
Bob Karl Line Safety Officer
Rich Marsolek

INCIDENT OBJECTIVES		1. Incident Name <i>Highway One Fire</i>	2. Date Prepared May 19, 2012	3. Time Prepared 2017									
4. Operational Period	May 20, 2012	0700-1900											
5. General Control Objectives For The Incident (Include Alternatives)													
<ol style="list-style-type: none"> 1. Provide for the safety of all firefighters and public. 2. Keep fire south and east of the City of Ely. 3. Implement structure protection under unified command with local fire departments. 4. Provide a plan for opening Highway 1 and re-entry to structures within the fire perimeter. 													
<hr/> <p><u>GENERAL SAFETY MESSAGE</u></p> <p>All leaders have a responsibility for the safety of their people. While each firefighter has the ultimate responsibility for his/her safety, leaders must assure that strategy, tactics, and the associated risks and hazards are clearly communicated so everyone completes their work assignments without any serious accidents and/or injuries. The Incident Commander expects other people in leadership positions to apply all firefighting orders, standards, guidelines, protocols, etc. to work planning such that the safety of firefighters, the public, and other responders is given the highest priority.</p>													
<hr/> <p>8. ATTACHMENTS (X IF ATTACHED)</p> <table> <tr> <td>☒ Organization List - ICS 203</td> <td>☐ Medical Plan - ICS 206</td> <td>☐ Air Ops Summary ICS 220</td> </tr> <tr> <td>☒ Division Assignment Lists - ICS 204</td> <td></td> <td>☐ Safety Message</td> </tr> <tr> <td>☒ Communications Plan - ICS 205</td> <td>☐ Weather Forecast</td> <td>☐ Fire Behavior</td> </tr> </table>					☒ Organization List - ICS 203	☐ Medical Plan - ICS 206	☐ Air Ops Summary ICS 220	☒ Division Assignment Lists - ICS 204		☐ Safety Message	☒ Communications Plan - ICS 205	☐ Weather Forecast	☐ Fire Behavior
☒ Organization List - ICS 203	☐ Medical Plan - ICS 206	☐ Air Ops Summary ICS 220											
☒ Division Assignment Lists - ICS 204		☐ Safety Message											
☒ Communications Plan - ICS 205	☐ Weather Forecast	☐ Fire Behavior											
9. Prepared By (Resource Unit) Brian Leitinger (t)		10. Approved By (Incident Commander)											

PREPARED BY (RESOURCES UNIT)



INCIDENT Weather Forecast



FORECAST NO: 4

NAME OF FIRE: HIGHWAY 1 FIRE

PREDICTION FOR: DAY SHIFT

UNIT: SUPERIOR NATIONAL FOREST

SHIFT DATE: SUNDAY, MAY 20TH, 2012

SIGNED: BYRON PAULSON

TIME AND DATE

Incident Meteorologist

FORECAST ISSUED: 1900 SATURDAY, MAY 19TH, 2012

WEATHER DISCUSSION:

...MUCH COOLER AND BREEZY WITH SCATTERED SHOWERS...

Behind last evening's cold front passage expect much colder temperatures today with scattered mainly morning and early afternoon showers and gusty northwest winds. High pressure will push into the area tonight bringing clearing skies and chilly temperatures with fog possible toward daybreak. High pressure will bring partly cloudy skies on Monday. Gusty south winds and warmer temperatures will return on Tuesday along with a slight chance of a shower or thunderstorm. A better chance of showers and thunderstorms Wednesday and Thursday with gusty south winds on Wednesday.

WEATHER FORECAST:

WEATHER: Much cooler and breezy. Mostly cloudy. Scattered showers....mainly in the morning into early afternoon.

TEMPERATURES: Morning low around 50 with a high from 54 to 59.

HUMIDITY: Around 90% early....falling to 60% in the late afternoon.

20 FT WINDS: Wind northwest 12 to 16 mph with gusts 20 to 25 mph.

HAINES INDEX: 3 which is very low.

STABILITY/INVERSION: weak inversion.

SUNDAY NIGHT: Clearing and cool. Low in the mid 30s. Areas of fog developing late. Winds becoming light at less than 5 mph. Humidity recovery to 90 to 100 percent.

MONDAY: Partly cloudy. High near 70. Minimum humidity 28 to 33 percent. Wind northwest 8 to 12 mph becoming west to southwest.

OUTLOOK FOR TUESDAY: Partly cloudy and warmer with south winds becoming gusty. A slight chance of a shower or thunderstorm. High from 76 to 79. Minimum humidity 30 to 35%. Winds south increasing to 15 to 20 mph with gusts 25 mph.

EXTENDED FORECAST: **Wednesday and Thursday:** Partly cloudy. A chance of showers and thunderstorms. Highs in the mid to upper 70s. Gusty south winds on Wednesday with gusts to 25 mph. Min humidity Wednesday 35 to 40%. Min humidity Thursday 40%.

EXTRA INFORMATION:

Ely RAWS – Max temperature 85, Min RH 38%. South winds 15 to 20 mph with gusts 25 to 30 mph. Observations from Division A – max temperature 87, minimum humidity 39%.

Fire Behavior Forecast #03 – day shift

Name of Incident:

Highway One Fire

Administrative Unit:

Superior National Forest, Kawishiwi RD

Date & Time Issued: May 19, 2012 2000

Operational Period: Day Shift May 20, 2012

FBAN: Bruce Giersdorf

Signed:s/s Bruce G. Giersdorf

Weather Summary

See attached Fire Weather Forecast.

Fire Behavior Summary

General: Cooler and more humid with change of wind direction. Possible T-showers early in the day.

Heavy fuels and duff will still continue to hold fire.

Probability of Ignition: < 50%

Flame Length: Timber fuel 1-3 ft.

Grass/brush ---2-4 ft.

ROS: Timber fuel 500 ft/hr

Grass/brush 500 – 1000 ft/hr

Spotting Distance = < 100 ft. from burning surface fuel

Air Ops/Smoke Dispersion

Watch for T-storms and lightning in the morning.

Safety

Overnight rainfall may have made the ground cover slippery. Be heads up!!.....

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group A		Priority
3. Incident Name Highway One Fire			4. Operational Period Date: 5/20/2012 Time: 0700 - 1900				
5. Operations Personnel							
Operations Chief		Mike Wurst		Division \ Group Supervisor		Mike Hanson / Steve Teeter (t)	
Safety Officer		Kurt Schierenbeck 218-370-8057		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Last Shift	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
MIDEWIN IHC		Jerry Hoffman	7	No	Staging 0700	1900	
HEQB		Isaac Heruth	1	No	Staging 0700	1900	
CREW 55		Curt Westerman	6	No	Staging 0700	1900	
CREW 21		Andy Nelson	7	No	Staging 0700	1900	
EXCAVATOR 2		Scheuring	1	NO	Staging 0700	1900	
LITTLEFALLS J5		Jerrit Witucki	2	No	Staging 0700	1900	
ELY FD T4			2	No	Staging 0700	1900	
SOF2		Bob Kari	1	NO	Staging 0700	1900	
7. Control Operations							
Mop up 150' from the perimeter Mop up 100' along roads and driveways 100 % Mop up of spots and fingers Mop up any visual smokes near residences							
8. Special Instructions							
<ul style="list-style-type: none"> Crew Members from CREW 54 are moved to CREW 21 Identify EMT's on resources and communicate to Safety Officer Contact ASGS direct for air support Need to track amount of hoselay being left with GPS coordinates Pull hoselays if not needed 							
9. Division/Group Communication Summary							
Function	Frequency	Tone	Channel	Function	Frequency	Tone	Channel
Command	RX:168.100 TX:168.100		6	Air to Ground	RX: 169.2000 TX:169.2000		7
Tactical Div/Group	RX:168.0500 RX:168.0500		1				
Prepared by (Resource Unit Leader) Brian Leitinger (t)			Approved by (Planning Section Chief) Barb Thompson			Date 5/19/2012	Time 2106

DIVISION ASSIGNMENT LIST				1. Branch		2. Division/Group Z		Priority
3. Incident Name Highway One Fire				4. Operational Period Date: 5/20/2012 Time: 0700 - 1900				
5. Operations Personnel								
Operations Chief		Mike Wurst		Division \ Group Supervisor		Tom Roach/Cory Berg (t)		
Safety Officer		Kurt Schierenbeck 218-370-8057		Air Attack Supervisor No.				
6. Resources Assigned this Period								
Strike Team/Task Force/ Resource Designator	EMT's	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time		
MIDEWIN IHC	1	Nate Heine	12	No	Staging Area 0700	1900		
TFLD		Ron Beam	1	No	Staging Area 0700	1900		
TFLD (t)		Nicole Selmer	1	No	Staging Area 0700	1900		
HEQB		J. Knapper/ K. Solum(t)	2	No	Staging Area 0700	1900		
AURORA FD J7			1	No	Staging Area 0700	1900		
CREW 62		Galazen	8	No	Staging Area 0700	1900		
CREW 53		Weckman	7	No	Staging Area 0700	1900		
T2 DOZER D5		Scheuring	1	No	Staging Area 0700	1900		
MORSE\FALL LK FD T4			2	No	Staging Area 0700	1900		
SOF2		Bob Kari	1	NO	Staging Area 0700	1900		
7. Control Operations								
Mop up 150' from the perimeter Mop up 100' along roads and driveways 100 % Mop up of spots and fingers Mop up any visual smokes near residences								
8. Special Instructions								
<ul style="list-style-type: none"> Two CCM crews are arriving at 0900 one CCM is assigned to CREW 62 and the other is assigned to CREW 53 Contact ASGS direct for air support Need to track amount of hoselay being left with GPS coordinates Pull hoselays if not needed 								
9. Division/Group Communication Summary								
Function	Frequency	Tone	Channel	Function	Frequency	Tone	Channel	
Command	RX:168.100 TX:168.100		6	Air to Ground	RX: 169.2000 TX:169.2000		7	
Tactical Div/Group	RX:168.200 RX:168.200		2					
Prepared by (Resource Unit Leader) Brian Leitinger (t)			Approved by (Planning Section Chief) Barb Thompson			Date 5/19/2012		Time 2106

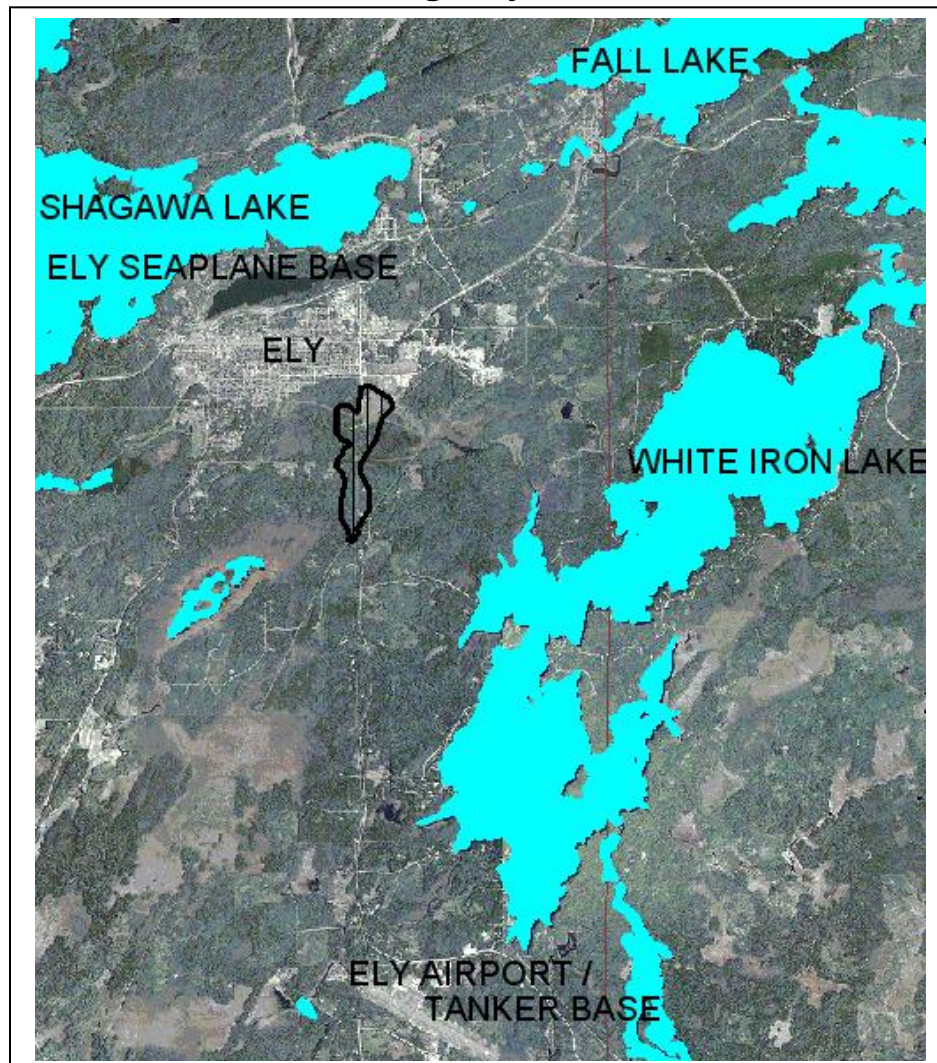
DIVISION ASSIGNMENT LIST				1. Branch		2. Division/Group Rehab Assessment		Priority	
3. Incident Name Highway One Fire				4. Operational Period Date: 5/20/2012 Time: 0700 - 1900					
5. Operations Personnel									
Operations Chief		Mike Wurst		Division \ Group Supervisor		Vance Hazelton			
Safety Officer		Kurt Schierenbeck 218-370-8057		Air Attack Supervisor No.					
6. Resources Assigned this Period									
Strike Team/Task Force/ Resource Designator		EMT's	Leader	Number Persons	Trans. Needed	Drop Off PT./Time		Pick Up PT./Time	
No other resources									
7. Control Operations									
8. Special Instructions									
9. Division/Group Communication Summary									
Function	Frequency	Tone	Channel	Function	Frequency	Tone	Channel		
Command	RX:168.100 TX: 168.100		6	Air to Ground	RX: 169.2000 TX:169.2000		7		
Tactical Div/Group	RX:168.100 RX:168.100		1,2						
Prepared by (Resource Unit Leader) Brian Leitinger (t)				Approved by (Planning Section Chief) Barb Thompson			Date 5/19/2012		Time 2106

INCIDENT RADIO COMMUNICATIONS PLAN		1. Incident Name Highway One Fire		2. Date/ Time Prepared 5/19/2012 2122		3. Operational Period Date/Time 5/20/12 0700-1800	
4. Basic Radio Channel Utilization							
Mode: W=Wideband Analog, N=Narrowband Analog, D=Digital, M=Mixed							
Channel	Function	Frequency		Tone	Mode	Assignment	Remarks
1	USFS TAC 1	RX:	168.0500		N		
		TX:	168.0500				
2	USFS TAC 2	RX:	168.2000		N		
		TX:	168.2000				
3	USFS TAC 3	RX:	168.6000		N		
		TX:	168.6000				
4	USFS TAC 4	RX:	164.1375		N		
		TX:	164.1375				
5	C-2 Repeater	RX:	168.1000	123.0	N		COMMAND REPEATER
		TX:	170.4500	123.0			
6	C-2 TALK AROUND	RX:	168.1000	123.0	N		COMMAND SIMPLEX
		TX:	168.1000	123.0			
7	AIR/GROUND	RX:	169.2000		N		Primary Air/Ground Frequency
		TX:	169.2000				
8	SUPERIOR DISPATCH	RX:	169.9250		N	SUPERIOR DISPATCH	MAIN CONTACT SUP. FOREST
		TX:	169.9250				
9	ELY FIRE DEPT	RX:	154.3700	192.8	W	ELY AREA F.D.	LOCAL FIRE DEPT CHANNEL
		TX:	154.3700	192.8			
10	MORSE FIRE DEPT	RX:	154.2350		W	ELY/MORSE AREA F.D.	LOCAL FIRE DEPT CHANNEL
		TX:	154.2350				
11	ELY 911 EMS/FIRE	RX:	155.9400		W	ST.LOUIS CO. EMS/FIRE	ST.LOUIS CO. EMS/FIRE DISPATCH
		TX:	153.8600	192.8			
12	FIRE MUTUAL AID	RX:	154.2950		W	FIRE MUTUAL AID	STATEWIDE FIRE COMMON
		TX:	154.2950				
13	ST. LOUIS COUNTY S.O.	RX:	155.8800	156.7	W	Ely AREA S.O.	St.LOUIS CO. S.O.
		TX:	154.8900	156.7			
14	AIRGUARD	RX:	168.6250		N		Emergency contact with aircraft
		TX:	168.6250	110.9			
15	MINNSEF	RX:	155.4750		W	ALL UNITS - EMERGENCY	STATEWIDE POLICE EMERGENCY
		TX:	155.4750				
16	AIRGUARD	RX:	168.6250		N		Emergency contact with aircraft
		TX:	168.6250	110.9			
5. Prepared by (Communications Unit) Pat Coughlin COMT/COML							

AIR OPERATIONS BRIEFING FORM

Highway One Fire

5/20/2012



AIR TANKERS	
#T- 890	ELO
#266-CL-215	HIB
#263-CL215	HIB
#262-CL-215	BJI
#264-CL-215	BJI
FIXED WING	
#ELY ATK	ELO
#	
#	
HELICOPTERS	
TYPE I	
# HT-718	ELO
#	
#	
#	
TYPE II	
#	
#	
#	
#	
#	
#	
TYPE III	
#7MB- AS-B3	ELO
#	
#	
#	
#	

FUNCTION	AM	FM
AIR-AIR	123.175	
FLIGHT FOLLOW	123.175	
TANKER BASE	123.975	
ELY UNICOM	122.800	
AIR-GROUND	XXXXXXXXXX	169.2000 n
RAMP	XXXXXXXXXX	163.1000 n
COMMAND	XXXXXXXXXX	168.100 n t123.0
DIVISION	CONTACT	FREQUENCY
A	Hanson/Teeter	168.050(Tac 1)
Z	Roach/Berg	168.200 (Tac 2)

TFR in Place YES NO X
 NOTAM 05/003 – Advisory – Aerial
 Firefighting aircraft within 3 mi ELO
 Nautical Miles MSL
 Hazards: Powerlines, Towers,
 Waterfowl, Traffic from Ely Airport &
 Seaplanes – Division A north-Division Z
 south end of fire (Division break is the
 east/west powerline, mid-fire)
 Notes: Fire is 3.5 miles north of Ely
 Airport and 1.5 miles east of the Ely
 Seaplane Base
 Sunrise 0523 Sunset 2044

AIR OPERATIONS SUMMARY

PREPARED BY: Bill Schuster

PREPARED DATE/TIME: 2000-5/19/12

1. INCIDENT NAME: Highway One Fire		2. OPER PERIOD DATE: 5/20/12		START 0700 STOP 1900		3. # OF COPIES NEEDED: 8	
4. REMARKS - Advisory NOTAM 05/003 issued 5/18/12 at 0525 to inform local aviation of firefighting activity 5nm of ELO HAZARDS – Powerlines, towers, waterfowl, eagles, hawks, transient aircraft MISSION REQUESTS – Missions will be requested by DIVS to ASGS						5. TFR: Radius: <u> N/A </u> NM Altitude: <u> </u> MSL Centerpoint: Lat: Long:	
6. PERSONNEL	Phone	7. FREQUENCIES	AM	FM	8. FIXED-WING	# Avail / Type / Make-Model / FAA N# / Base(s)	
AOBD:		AIR/AIR	123.175		Airtankers		
ATGS: Mark Beckwith		FLIGHT FOLLOW	123.175		I.A. Airtankers	T263 & T266 (HIB), T262 & T264 (BJI)	
HLCO:		AIR/GROUND:		169.200n	Leadplanes		
ASGS:Bill Schuster	218-244-5286	COMMAND:					
HEBM:Jill Hebl	218-343-2176	COMMAND RPT:	Rx:	Tx:	ATGS Aircraft	Ely Air Attack (Queen Air)	
Ely Tanker Base	218-365-4831	RAMP: t123.0		163.100n			
		ELO UNICOM	122.800		Other		

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
HT-718	I	CH54 Skycrane	ELO	0900	0930								
7MB	III	AS 350 B3	ELO	0900	0930	Initial Attack							

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 OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
Bucket Operations	Helicopters	As requested	ELO	FIRE
Air Attack	Coordinate airspace, tactical air operations and emergency operations	As requested	ELO	FIRE
Palm IR Mission	Palm IR Camera mission with 7MB to cover fire perimeter, gps hot spots- "upland good-lowland better"	0730	ELO	FIRE

MEDICAL PLAN	1. Incident Name Hwy 1	2. Date Prepared 05/19/2012	3. Time Prepared 18:30	4. Operational Period 5/20/12 - 0700-1900							
5. Incident Medical Aid Station											
Medical Aid Stations		Location			Paramedics Yes No						
MEDICAL UNIT		ICP				X					
6. Transportation											
A. Ambulance Services											
Name		Address		Phone		Paramedics Yes No					
Ely Bloomenson Community Hosp. Ambulance		328 Conan St W Ely, MN		911 218-365-3271			X				
Life Link III Helicopter		Hibbing		911 1-800-328-1377		X					
B. Incident Ambulances											
Name		Location				Paramedics Yes No					
7. Hospitals											
Name		Address		Travel Time Air Ground		Phone		Helipad Yes No		Burn Center Yes No	
Ely Bloomenson Community Hosp.		328 Conan St W Ely, MN 55731		5 min 10 min		218-365-3271		X			
Virginia Regional Medical Center		901 N9th Ave Virginia, Mn		30 min 1 hr		218-741-3340		X			
St. Luke's Hospital Regional Trauma Center		915 East 1 st St Duluth, Mn		45 min 2 hr		218-726-5555		X			
St. Mary's Medical Center		497 East 3 rd St Duluth, Mn		45 min 2 hr		218-726-4000		X			
Miller Dwan Burn Center		502 East 2nd Ave, Duluth, Mn		45 min 2 hr		218-727-8672		X		X	
Regions Hospital Burn Center		640 Jackson St St. Paul, Mn		2 hr 6 hr		(800) 221-2810		X		X	
HCMC Burn Center		701 Park Ave., Minneapolis, Mn		2 hr 6 hr		(612) 873-2915		X		X	
8. Emergency Procedures											
<p>In the event of a medical emergency, the first person on scene should contact their immediate supervisor. Supervisor or designated Point of Contact provides the following information to the Communications Unit:</p> <ul style="list-style-type: none"> o Declare the nature of the emergency (medical illness or injury) and if it is life threatening, <u>DO NOT TRANSMIT NAME OF PATIENT</u> o If life threatening, request Command frequency to be cleared for emergency traffic only; o Identify the on-scene Point of Contact (POC) by Resource and Last name (i.e. POC is FLD Smith); o Identify nature of incident – Number injured, patient assessments, and location (geographic and GPS coordinates) o Identify on-scene medical personnel by position and name (i.e. EMT Jones), <u>MOST MEDICALLY QUALIFIED PERSON TAKES CHARGE OF MEDICAL CARE.</u> o Identify preferred method of transport (see attachment C for transportation and evacuation plan); o Request additional resources and/or equipment as needed; o Identify any changes in POC or on-scene medical personnel as they occur. o COM needs to document all transmissions sent and received. 											
9. Prepared by (Medical Unit Leader) Rich Marsolek, MEDL						10. Reviewed by (Safety Officer) Kurt Schierenbeck SOF2					

Medical Plan Attachment C – Evacuation/ Transport Plan	
General Information: <ul style="list-style-type: none"> • Use 911 for injuries/illnesses occurring at the ICP. • Communicate all fire line injuries/illnesses, as outlined in the ICS 206 Block 8. • COM notifies Operations Section Chief or the Safety Officer, and MEDL of the injury/illness. • On-site incident personnel will move ill or injured patient to the nearest road, for transport by ambulance. • Request additional equipment or supplies needed to move patient. • POC needs to notify COM of patient pick-up point. • Incident personnel with medical training should accompany patients during the move until transferred to ambulance personnel. • COM will call for MEDIVAC, if needed, through St. Louis County Dispatch (911). • MEDIVAC ships will be directed to the Ely hospital for intercept with ground ambulance. Assigned evacuation resources: <ul style="list-style-type: none"> • There are no designated incident MEDIVAC ships at this time. • A four-wheeler with an evacuation trailer equipped with medical equipment and an EMT is available in staging. Request through COM for dispatch by 911. 	
Prepared by (Medical Unit Leader) Rich Marsolek MEDL	Reviewed by (Safety Officer) Kurt Schierenbeck SOF2

Incident Communication Center Protocol Standard Elements	
COML/designee will ensure the following information is obtained and recorded during medical emergencies:	
1. Determine the nature of the emergency.	
2. Medical injury/illness? If injury/illness is it life threatening?	
3. If life threatening, clear Command frequency for emergency traffic.	
4. Identify the on-scene Point of Contact (POC) by resource and last name (i.e. POC is TFLD Smith).	
5. Contact Medical Unit Leader immediately.	
6. Request POC to provide number of injured, patient assessment, and location (geographic and GPS coordinates).	
7. Identify on-scene medical personnel by position and name (i.e. on-scene medical personnel is EMT Jones).	
8. Request preferred method of patient transport.	
9. Determine if any additional resources and/or equipment are needed.	
10. Document all information received and transmitted on the radio or phone.	
11. Document any changes in the on-scene Point of Contact or medical personnel as they occur.	
Prepared by (Medical Unit Leader) Rich Marsolek, MEDL	Reviewed by (Safety Officer) Kurt Schierenbeck SOF2

Reference: NWCG#025-2010 Memorandum, dated 5/25/10 – Attachment B



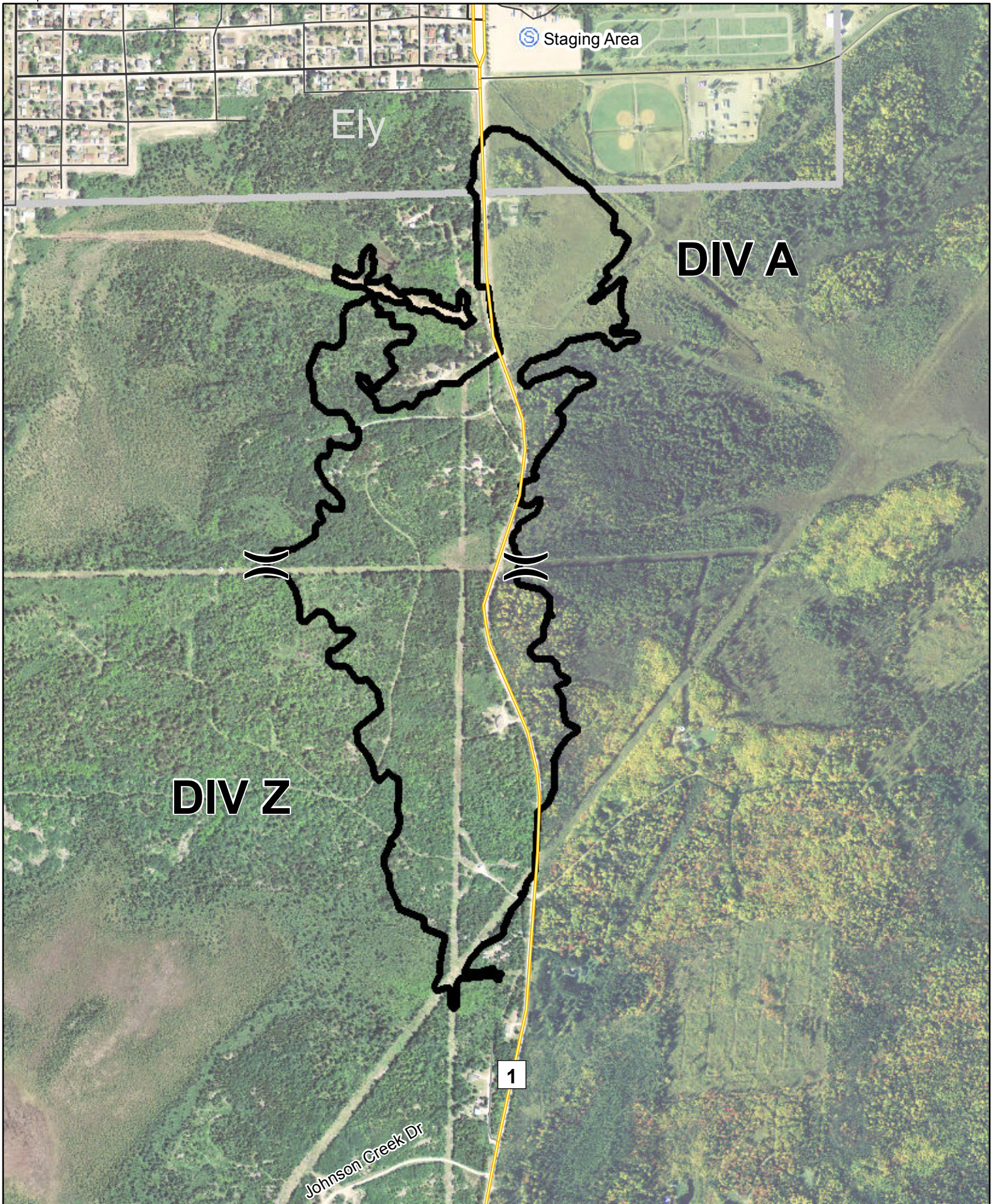
0 0.05 0.1 0.2 Miles

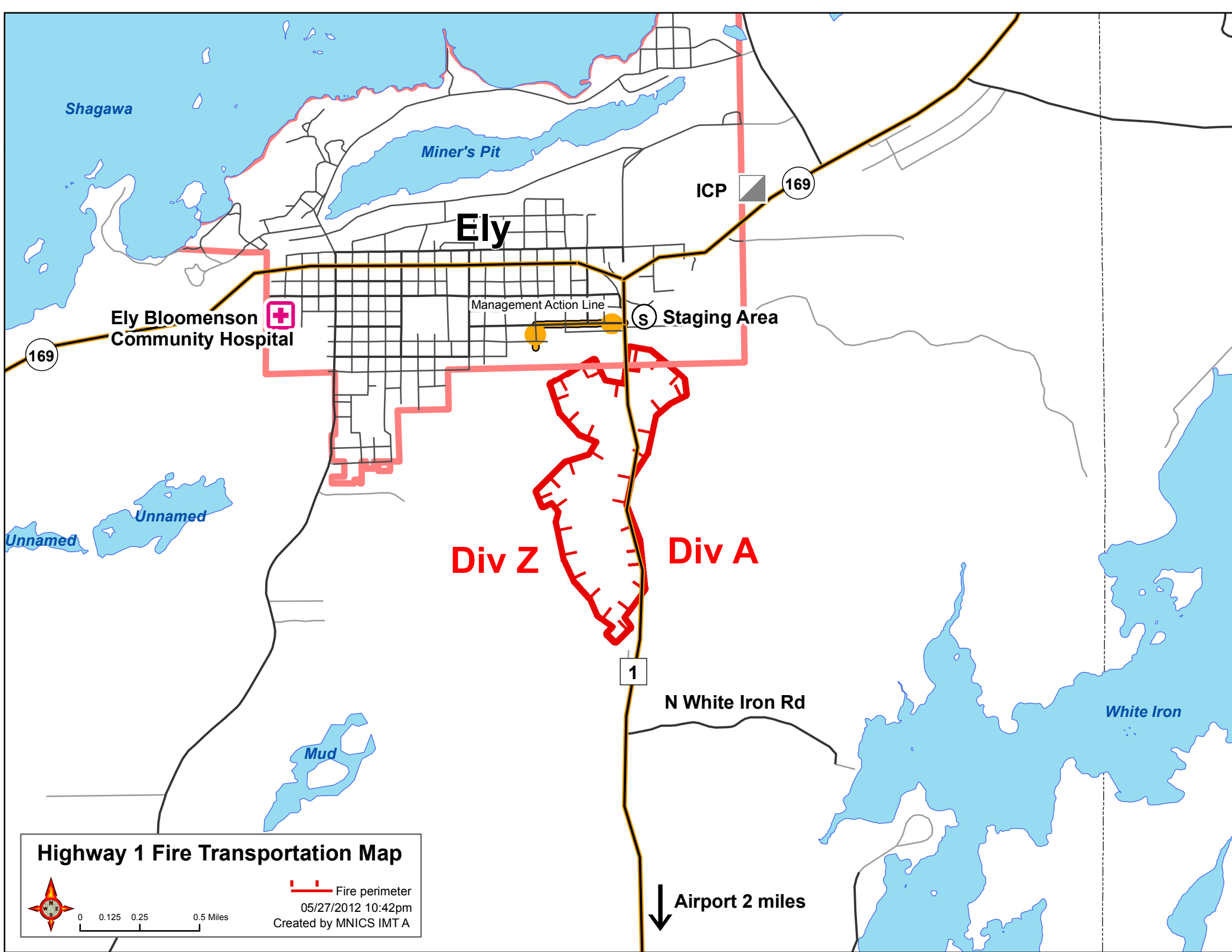
Highway 1 Fire

175.61 acres, 5.41 mile perimeter

05/19/2012 17:30

Created by MNICS IMT A





Highway 1 Fire Transportation Map



0 0.125 0.25 0.5 Miles

Fire perimeter
05/27/2012 10:42pm
Created by MNICS IMT A

