



SUF West Zone Complex

Delta Lake Fire

Incident Action Plan

Operational Period

July 19, 2021

0700 – 1900

MN-SUF-000333

CC2 13146

P9N461 0909



INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: SUF WZ Complex	2. Operational Period: Date From: 7/19/2021 Date To: 7/19/2021 Time From: 0700 Time To: 1900															
3. Objective(s): <ol style="list-style-type: none"> 1. Ensure firefighter, aviation, and public safety through clear leader's intent, work prioritization, and the implementation of fundamental firefighting principles utilizing a risk management process to inform decisions. 2. Implement direct suppression tactics and use aerial resources to limit fire spread 3. Utilize MIST tactics and natural/man-made barriers when possible during suppression operations. 4. Minimize fire impacts and protect values at risk including communities, campgrounds, private inholdings (developments, property), critical infrastructure (utilities, travel corridors), structural improvements, and natural and cultural resources. Keep incident costs commensurate with values at risk. 5. Develop and monitor Management Action Points in the planning area to prepare for and organize any necessary efforts to achieve incident objectives. Develop long-term fire behavior predictions for the Delta Lake Fire and Canadian fires. 6. Develop and maintain relationships and partnerships with stakeholders, cooperators, community, private landowners, and local agencies by coordinating incident management efforts through timely and accurate information sharing. 7. Implement COVID-19 mitigation measures based on CDC guidance. Coordinate with Local Health department on all COVID-19 testing, quarantine, or isolation situations. 8. Maintain a work environment that is free from discrimination, sexual harassment, and other forms of inappropriate behavior. Report any incidents in accordance with Agency policy. 																
4. Operational Period Command Emphasis: Holding line and starting mop-up on the Delta Lake Fire. Continue assessment and planning for the Canadian fires.																
General Situational Awareness Extreme fire behavior has always been present in cases of shelter deployment. It is critical for firefighters to maintain situational awareness of live and dead fuel moisture conditions as well as predicted and current weather conditions. As fire behavior changes, it is critical to act decisively to the changing situation.																
5. Site Safety Plan Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Approved Site Safety Plan(s) Located at:																
6. Incident Action Plan (the items checked below are included in this Incident Action Plan): <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input checked="" type="checkbox"/> ICS 203</td> <td style="width: 33%;"><input type="checkbox"/> ICS 207</td> <td style="width: 34%;"><u>Other Attachments:</u></td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 204</td> <td><input type="checkbox"/> ICS 208</td> <td><input checked="" type="checkbox"/> Fire Behavior</td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 205</td> <td><input checked="" type="checkbox"/> Map/Chart</td> <td><input checked="" type="checkbox"/> 215R risk Assessment</td> </tr> <tr> <td><input type="checkbox"/> ICS 205A</td> <td><input checked="" type="checkbox"/> Weather Forecast/Tides/Currents</td> <td><input checked="" type="checkbox"/> ICS 220</td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 206</td> <td></td> <td><input type="checkbox"/></td> </tr> </table>		<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 207	<u>Other Attachments:</u>	<input checked="" type="checkbox"/> ICS 204	<input type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> Fire Behavior	<input checked="" type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Map/Chart	<input checked="" type="checkbox"/> 215R risk Assessment	<input type="checkbox"/> ICS 205A	<input checked="" type="checkbox"/> Weather Forecast/Tides/Currents	<input checked="" type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> ICS 206		<input type="checkbox"/>
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<input checked="" type="checkbox"/> ICS 206		<input type="checkbox"/>														
7. Prepared by: Name: John Wyman Position/Title: PSC2 Signature:																
8. Approved by Incident Commander: Name: L. Minton Signature:																
ICS 202	IAP Page _____	Date/Time: 7/18/2021 1445														

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: SUF West Zone Complex Delta Lake Fire		2. Operational Period: Date From: 7/19/2021 Time From: 0700		Date To: 7/19/2021 Time To: 1900	
3. Incident Commander(s) and Command Staff:			7. Operations Section:		
IC/UCs	L. Minton / R. Harris (t)	Planning Ops Chief	K. Murphy		
Deputy IC		Field Ops Deputy	J. Saunders		
Safety Officer	L. Osterland	Staging Area			
Liason Officer	J. Furman, P. Rogers (t)	Branch			
Public Info. Officer	C. Stelter, C. Koele, R. Fitzhenry (t)	Branch Director			
		Deputy			
4. Agency/Organization Representatives:		Division/Group	AZ		J. Waters
Agency/Organization	Name	Division/Group	Preparedness		S. Cameron/M. Lichter(t)
Superior NF AA	Connie Cummins	Division/Group	Structure		M. Brown
Kawishiwi DR AA (t)	Aaron Kania	Division/Group			
AA Rep	Ellen Bogardas-Szymaniak	Division/Group			
AA REP	Lee Stewart	Branch			
WZ Duty Officer	Tony Harding	Branch Director	Public Safety		G. Peterson
REAF	E. McCann	Deputy			
5. Planning Section:		Division/Group	Wilderness		
Chief	J. Wyman, B. Geringer-Frazier	Division/Group	Crooked Lake		K. Sherritz
Resources Unit		Division/Group			
Situation Unit	P. Fischer, C. Bergquist (t)	Division/Group			
Documentation Unit	B. Garrett	Division/Group			
Demobilization Unit		Branch			
READ	R. Tea	Branch Director			
FBAN	S. Linn	Deputy			
GISS	M. Judd, S. Ellison	Division/Group			
LTAN	S. Turner	Division/Group			
ITSS	B. Bowen	Division/Group			
6. Logistics Section:		Division/Group			
Chief	T. Oland, T. Manley (t)	Division/Group			
Deputy		Air Operations Branch			
Support Branch		Air Ops Branch Dir.			
Food Unit	D. Avery				
Supply Unit	T. Piper				
Facilities Unit	J. Benson	8. Finance/Administration Section:			
Ground Support Unit	J. Aron	Chief	P. Beringer, M. Coleman (t)		
Service Branch		Deputy			
Security Manager	K. Grubb	PROC	T. Price		
Communications Unit	P. Willis	Time Unit	V. Sanchez (t)		
Medical Unit	T.O'Connor	Comp/Claims Unit			
Medical Unit Trainee	K. Batten (t)	Cost Unit			
9. Prepared by: Name: Peter Fischer		Position/Title: RESL		Signature: _____	
ICS 203	IAP Page _____	Date/Time: 7/18/2021 1400			

National Weather Service Duluth

2021-07-18 4:31 PM CDT Spot Forecast for Delta Lake Wildfire

National Weather Service Duluth MN 431 PM CDT Sun Jul 18 2021

.DISCUSSION...

Winds will be from the southwest early Monday morning and will turn to be from the west by 1000 CDT. Wind speeds will increase during the morning to 6 to 10 mph with gusts of 12 to 20 mph. Wind

gusts will be strongest during the afternoon, after 1300 CDT. A cold front will push southward over the fire during the afternoon. Winds will remain gusty and become erratic as the front passes, eventually blowing from the northwest. Minimum RH will dip to around 28 percent. Scattered showers and thunderstorms are expected along and north of the front during the afternoon into the evening hours. Winds will be gusty and erratic near thunderstorms. Expected rainfall is less than one-tenth of an

inch. There is a small chance a heavier storm may pass over the fire and produce one-quarter up to one-half inch of rain. Wind gusts to 40 mph and hail to the size of pennies is possible with the thunderstorms.

Winds will continue to shift Monday evening and will be from the northeast overnight. Scattered showers and isolated storms remain possible through the night.

.MONDAY...

Sky/weather.....Mostly sunny. Haze early in the morning. Haze late in the morning. Haze late in the afternoon. A slight chance of showers in the morning. A chance of showers and thunderstorms in the afternoon. Chance of precipitation 40 percent.

Max temperature.....Around 91.

Min humidity.....28 percent.

Wind (20 ft).....Southwest winds 5 to 7 mph shifting to the west 8 to 10 mph late in the morning. Gusts up to 19 mph. Gusty and erratic winds expected near thunderstorms early in the afternoon. Gusty and erratic winds expected near thunderstorms late in the afternoon.

LAL.....1 until 1300 then 2 until 1600 then 3.

Mixing height.....1500 ft AGL increasing to 4200 ft AGL late in the morning, then increasing to 7100 ft AGL early in the afternoon decreasing to 5400 ft AGL late in the afternoon.

Transport winds.....West 12 to 18 mph.

Smoke dispersal.....Poor to fair (4700-19800 knot-ft) increasing to good (37200 knot-ft) late in the morning, then increasing to good (59400 knot-ft) late in the morning increasing to excellent (75300-106000 knot-ft) in the afternoon decreasing to excellent (63400 knot-ft).

.MONDAY NIGHT...

Sky/weather.....Partly cloudy. Haze early in the evening. Areas of smoke late in the evening. Haze in the late evening and overnight. A chance of showers and thunderstorms through the night. Chance of precipitation 40 percent.

Min temperature.....Around 59.

Max humidity.....97 percent.

Wind (20 ft).....Northwest winds 7 to 9 mph shifting to the north 5 to 7 mph late in the evening, then shifting to the northeast 3 to 4 mph overnight. Gusts up to 18 mph. Gusty and erratic winds expected near thunderstorms early in the evening. Gusty and erratic winds expected near thunderstorms late in the evening. Gusty and erratic winds expected near thunderstorms overnight.

LAL.....3 until 0400 then 1.

Mixing height.....3400 ft AGL decreasing to 1100 ft AGL early in the evening.

Transport winds.....West 10 to 17 mph shifting to the south late in the evening, then shifting to the west late in the evening shifting to the northeast 6 to 14 mph late in the evening.

Smoke dispersal.....Good (31200-51100 knot-ft) decreasing to poor (9700 knot-ft) early in the evening.

Forecaster...Kevin

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 8	TYPE OF FIRE Wildfire
FIRE NAME: SUF West Zone Complex-Delta Fire	OPERATIONAL PERIOD Day Shift 07/19/2021
DATE ISSUED 07/18/2021	TIME ISSUED 1900
UNIT MN-SUF	SIGNED Scott Linn, FBAN <i>/s/ Scott Linn</i>

INPUTS

WEATHER SUMMARY:

DISCUSSION... **Cold Front Passage with Thunderstorms possible and erratic winds**
****See spot weather forecast for specifics****

Temp: Maximum around 91, minimum around 60

RH: Minimum around 28%, max around 80%

Winds: WNW 6-10mph gusts 12- 20mph.

Fuels & Fuel Moisture: Conifer and slash fuels are the primary concern and will continue to support fire spread and growth. With drought conditions, ground and large diameter surface fuels will consume. Black spruce and hardwood stands are drought stressed and are no longer inhibiting fire spread. Bug weakened and killed spruce trees will cause a rapid increase in fire behavior.

Fernberg RAWS

FFMC: 92.8 – Extreme DMC: 84.4 – Extreme ISI: 16.7 – Very High BUI: 111.7 – Extreme

FWI: 46.2 – Extreme

FIRE BEHAVIOR

GENERAL

Very active fire behavior today with crowing, torching and long-range spotting on any uncontrolled fire line. Fire behavior will not support direct attack and aviation suppression will have limited success. On fires with controlled fire edge expect creeping and smoldering.

Spotting Distance from torching trees/jackpots: up to .2 mile

Probability of Ignition: 70%

SPECIFIC

SPECIFIC FIRE BEHAVIOR:

Delta Fire: Creeping and smoldering will be found across the Delta fire. If these areas find receptive fuels or there are any undetected spot fires, surface fire spread will occur with flame lengths between 4-13 feet and rates of spread about 15-26 ch/hour with torching.

Crooked Lake Fire: Very active fire behavior with crowing, torching and long-range spotting along the east and south east flanks of the fires. Sustained crown runs with spread distances of 1.5 miles at the head will be observed. The fires should continue to back and flank to the west and south towards Crooked lake with flame lengths of 4-6 feet.

AIR OPERATIONS

Sunrise 0528, Sunset 2100. Hazy skies and thunderstorms may impact visibility throughout the day and limit the use of aviation resources.

SAFETY

Thunderstorms are possible today. If any develop in the fire area expect strong erratic winds which can move the fire any direction and cause a sudden increase in fire behavior. Keep lookouts posted.

ASSIGNMENT LIST (ICS 204)

1. Incident Name: SUF West Zone Complex Delta Lake Fire		2. Operational Period: Date From: 7/19/2021 Date To: 7/19/2021 Time From: 0700 Time To: 1900		3. Branch: Division: Structure Group: Staging Area:
4. Operations Personnel: Name _____ Contact Number(s) _____ Operations Section Chief: <u>J. Saunders</u> Branch Director: _____ Division/Group Supervisor: <u>M. Brown</u>				
5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio frequency, Last Work Day , etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
E-18, Eng T3	Red Rock	3	7/23	Kawishiwi RD 0700
E-26, Eng T6,CT1418	A. Burgess	4	7/27	Kawishiwi RD 0700
E-30, EngT6,MDE854	R. Kamp	4	7/25	Kawishiwi RD 0700
E-2, Excavator	Rock, Snow, & Fire	1	7/23	Kawishiwi RD 0700
EMTF	D. Johnson	1	7/25	Kawishiwi RD 0700
Boat Operator	P. McGowan	1	7/26	
Boat Operator	S. Williams	1	7/25	
6. Work Assignments: Maintain hose lays and sprinkler systems at Wilderness Bay and on portage between Snowbank and Parent lakes. Communicate Firewise concepts while interacting with structure owners. E-30 and E-26 engines will be designated to be IA ready for the district. Begin backhaul of any unused equipment and supplies.				
7. Special Instructions: Document temporary modifications or structures with lat./long. & photo, and any motorized use in the wilderness on mechanized equipment record. All personnel traveling in boats need PFD's and boating safety course. North resources: contact ALS Ambulance at DP1 if EMS response is needed.				
8. Communications (radio and/or phone contact numbers needed for this assignment):				
Name/Function		Primary Contact: indicate cell, pager, or radio (frequency/system/channel)		
Command Rpt /		TX 172.3750 / RX 171.4750		
Tactical 2 /		FS TAC 2 TX 168.6000 (123.0) / RX 168.6000 (open)		
Air to Ground Prime/		168.4000		
Air to Ground Secor/dary		169.2000		
9. Prepared by: Name: <u>Chris Bergquist</u> Position/Title: <u>RESL (t)</u> Signature: _____				
ICS 204	IAP Page _____	Date/Time: <u>7/18/2021 / 1720</u>		

ASSIGNMENT LIST (ICS 204)

1. Incident Name: SUF West Zone Complex Delta Lake Fire		2. Operational Period: Date From: 7/19/2021 Date To: 7/19/2021 Time From: 0700 Time To: 1900		3. Branch: Public Safety Division: Group: Wilderness Staging Area:
4. Operations Personnel: Name _____ Contact Number(s) _____ Operations Section Chief: J. Saunders Branch Director: G. Peterson Division/Group Supervisor: _____				
5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio frequency, Last Work Day , etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
Public Safety	Tom Yankowiak	1		Kawishiwi RD 0700
Dep. Public Safety	John Pierce	1		Kawishiwi RD 0700
Group 1 Crew Leader	Vass	2	7/14 to 7/21	Lakes East of Snowbank
Group 2 Crew Leader	Blair-Broecker	2	7/19 to 7/23	Moose Rvr N. to Pocket Cr.
Group 3 Crew Leader	Kohrt	2	7/19 to 7/26	Lac la Croix 0900 Flight
Group 4 Crew Leader	Disch	2	7/19 to 7/26	Lac la Croix, N. Tier 0930 Fl.
Group 5 Crew Leader	Olhauser	2	7/16 to 7/23	Agnes, Oyster, Shell
Group 6 Crew Leader	Pulsfus	2	7/16 to 7/19	Stuart River
Group 7 Crew Leader	Bender	2	7/17 to 7/19	Fourtown/Horse
6. Work Assignments: Make contacts with wilderness users. Implement closures and campsite clearing in coordination with the forest, operations, and as identified by the management action points. Coordinate with operations if air resources are needed.				
7. Special Instructions: Wilderness staff will check in with Tom Yankowiak twice per day at 0730 and 1730 hours. Tracking can also be completed using Fernberg W. repeater, Meander repeater, 2-way Spot locator with texting capability, and satellite phone.				
8. Communications (radio and/or phone contact numbers needed for this assignment):				
Name/Function _____		Primary Contact: indicate cell, pager, or radio (frequency/system/channel) _____		
Command Rpt. / _____		TX 172.3750 / RX 171.4750		
W Fernberg Rpt. / _____		TX 164.1375 (100.0) / RX 170.5250 (open)		
Air to Ground Prime/ _____		168.4000		
Air to Ground Secondary _____		169.2000		
9. Prepared by: Name: Chris Bergquist Position/Title: RESL (t) Signature: _____				
ICS 204	IAP Page _____	Date/Time: 7/18/2021 1930		

AIR OPERATIONS SUMMARY (ICS 220)

1. Incident Name: Delta / Crooked		2. Operational Period: Date From: 7/19/21 Time From: 0700		3. Sunrise: 0528		Sunset: 2059	
4. Remarks (safety notes, hazards, air operations special equipment, etc.): TFR over Hassel fire - 4,000' MSL / 118.95		5. Ready Alert Aircraft: Medivac: 8BH New Incident:		6. Temporary Flight Restriction Number: Altitude: 4,000' MSL Center Point: 47 56.21 / 91 24.19			
		8. Frequencies: Air/Air Fixed-Wing 118.15		9. Fixed-Wing (category/kind/type, make/model, N#, base): Air Tactical Group Supervisor Aircraft: AA3 - Ely IA			
7. Personnel:		Name: _____ Phone Number: _____		AM 118.15		FM 168.400	
Air Operations Branch Director		Chad Runyan		Command		Other Fixed-Wing Aircraft:	
Air Tactical Group Supervisor				Deck Coordinator		Beaver 2 0800 - 2000	
Helicopter Coordinator				Take-Off & Landing Coordinator			
Helibase Manager		Ashlee Zupancich		Air Guard		168.6250 Tx-110.9	
10. Helicopters (use additional sheets as necessary):							
FAA N#	Category/Kind/Type	Make/Model	Base	Available	Start	Remarks	
N18BH	Type III	Bell 407	Ely	0830	0830	Bucket, Recon, PSD	
N906CH	Type I	S-61	Ely	0830	0830	Tanked	
11. Prepared by: Name: Ashlee Zupancich		Position/Title: HEBM - t		Signature: Ashlee Zupancich		Date/Time: 7/18/21	

Digitally signed by Ashlee Zupancich
Date: 2021.07.18 17:52:07 -0500

INCIDENT RADIO COMMUNICATIONS PLAN		1. Incident Name West Zone Complex		2. Date Time Prepared 7/18/2021 20:00		3. Operational Period Date/Time 7/19/2021		
Radio Type	CH #	Function	Frequency	Tone/NAC	Mode	TGID	Assignment	Remarks
King	1	FS TAC1	RX: 168.0500 TX: 168.0500	123.0	N		Div A / Z	Tac # 1
King	2	FS TAC2	RX: 168.6000 TX: 168.6000	123.0	N		Preparedness and Structure	Tac # 2
King	3	DNR TAC1	RX: 151.4750 TX: 151.4750	156.7	N		Unassigned	DNR Tac 1
King	4	DNR A/G1	RX: 151.3400 TX: 151.3400	110.9	N		Unassigned	DNR A/G 1
King	5	MNICS T2	RX: 170.4750 TX: 170.4750		N		Unassigned	DNR TAC 2
King	6	A/G PRIME	RX: 168.4000 TX: 168.4000		N		A/G Delta Fire Primary	Main A/G over incident
King	7	A/G SECONDARY	RX: 169.2000 TX: 169.2000		N		A/G Delta Fire Secondary	Secondary A/G over the incident Not for use in mobile radios
King	8	A/G 72	RX: 169.1500 TX: 169.1500		N		A/G Forest Secondary	Forest Secondary
King	9	V-MED 28	RX: 155.3400 TX: 155.3400	156.7	N		Coordination w/ air or ground ambulance	MEDICAL/AMBULANCE
King	10	CMD RPT	RX: 171.4750 TX: 172.3750		N		All personnel	ICP Cmd Rpt at Fernberg
King	11	SUF WDIR	RX: 170.5250 TX: 170.5250		N		If needed for IA	Superior Forest Direct
King	12	MEANDER *	RX: 170.5250 TX: 164.1375	127.3	N		If needed to contact Forest- NW of ICP	Meander Rpt. - Superior
King	13	W FERNBERG*	RX: 170.5250 TX: 164.1375	100.0	N		If needed to contact Forest NE of ICP	Fernberg Rpt - Superior
King	14	SUF TAC1	RX: 169.1250 TX: 169.1250		N		TAC if needed for IA	Superior NF Tac 1
King	15	CMD 2	RX: 170.4500 TX: 168.1000	123.0	N		Crooked Lake (Sunday Bay) to ICP	C-2 Rpt installed at Meander
King	16	AIRGUARD	RX: 168.6250 TX: 168.6250	110.9	N		Air emergency - all users	Aircraft Guard Frequency

4. Basic Radio Channel Utilization
 Mode: W= Wideband, N= Narrowband, D= Digital, M= Mixed

5. Prepared by (Communications Unit)
 Peter Willis COML *Peter Willis*
Phone number to contact Communications in ICP 218-244-5316

Note: This is not a standard NWCG ICS205 Form

78ICS-206 MEDICAL PLAN	1. Incident Name Delta Lake Fire	2. Date Prepared 18 July 21	3. Time Prepared 1800	4. Operational Period 19 July 21			
Site EM							
Medical Aid Stations			Location	Paramedics Yes No			
Medical Unit			MEDL Terry O'Connor EMTF 218-368-8554 and MEDL-T Kate Batten EMTF 907-328-9318				
Incident EMTs			Delta Lake: EMTF Hyde, EMTF Froyum; Crooked Lake: EMPF Littler; Structure: EMTF Johnson; DP2/H1MFLFD UTV -2 operators	X			
Incident Ambulance	DP1		Virginia FD Ambulance with two crew Chief Allen Lewis 218-290-3421	X			
Transportation							
Ambulance Services							
Name			Address	Phone	Paramedics Yes No		
Ely Area Ambulance			Ely, MN Geoff Galaski	218-235-7878	X		
Air Medical							
LifeLink Helicopter			Hibbing	1-800-328-1377	X		
North Memorial Heli			Eveleth-Virginia	1-800-247-0229	X		
Name	Helipad Lat/Long	Air	Grnd	Phone	Helipad Yes No	Burn Center Yes No	
Ely Bloomensen Hosp 328 W Conan St, Ely	N 47 53 57 W 91 52 23	10 Min.	90 Min.	218-365- 8710	X		X
St Marys Medical Center- L1 407 E 3 rd St, Duluth	N 46 47 37 W 92 05 51	45 Min.	210 Min.	218-751- 5430	X		X
St Lukes Regional -L2 915 E 1 st St, Duluth	N 46 47 91 W 92 05 20	45 Min	210 Min.	218-249- 5616	X		X
Miller Dwan Burn Unit 502 E 2 nd St, Duluth	N 46 47 37 W 92 05 51	45 Min	210 Min.	218-786- 4670	X		X
Helispots	H1: N47 56.28 W91 24.83 H2: N47 56.60 W91 25.12				X		
Medical Incident Report- Pages 118,119 IRPG 2018							
Medical Unit Leader will Contact AA MN SUF Ellen Bogardus-Szymaniak							
<p>Upon occurrence of a "Major Medical" or accident involving significant injury on or near the Incident, the closest EMT should respond directly to the scene to take control of the patient and direct necessary actions. The nearest supervisor or leader should assume IC of the incident within the incident.</p> <ol style="list-style-type: none"> Obtain and facilitate nearest EMT to the scene, request (911) EMS Response. On site IC is in charge of the scene. Identify to medical personnel on site. Use Medical Incident Report (8-line) Check nature of the problem, # of patients, status, vitals & location. Request additional Resources or Equipment if needed. Coordinate and facilitate appropriate transportation (Ground or Air) for injured with Medical Unit EMT in charge of patient(s). Remove all unnecessary personnel from the scene. Secure scene, identify witnesses for later investigation. Keep Documentation of All Information Received and Transmitted Inform Supervisor of <u>any</u> changes on scene for Point Of Contact. No Names used for Injured Personnel. Onsite EMS Personnel may provide Information regarding condition of Patient to Communication or ICP. <p>SAFETY IS THE NUMBER 1 PRIORITY ON THIS INCIDENT The term "Medivac" is for Emergency Medical Evacuations Only</p>							
Prepared by (Medical Unit Leader) Terry O'Connor/Kate Batten-t				10. Reviewed by (Safety Officer) Lee Osterland			

MEDICAL PLAN (ICS 206 WF)

Controlled Unclassified Information//Basic

Medical Incident Report

FOR A NON-EMERGENCY INCIDENT, WORK THROUGH CHAIN OF COMMAND TO REPORT AND TRANSPORT INJURED PERSONNEL AS NECESSARY.

FOR A MEDICAL EMERGENCY: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.

Use the following items to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS / DISPATCH (Verify correct frequency prior to starting report)

Ex: "Communications, Div. Alpha. Stand-by for Emergency Traffic."

2. INCIDENT STATUS: Provide incident summary (including number of patients) and command structure.

Ex: "Communications, I have a Red priority patient, unconscious, struck by a falling tree. Requesting air ambulance to Forest Road 1 at (Lat./Long.) This will be the Trout Meadow Medical, IC is TFLD Jones. EMT Smith is providing medical care."

Severity of Emergency / Transport Priority	<input type="checkbox"/> RED / PRIORITY 1 Life or limb threatening injury or illness. Evacuation need is IMMEDIATE <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° - 3° burns more than 4 palm sizes, heat stroke, disoriented.</i> <input type="checkbox"/> YELLOW / PRIORITY 2 Serious Injury or illness. Evacuation may be DELAYED if necessary. <i>Ex: Significant trauma, unable to walk, 2° - 3° burns not more than 1-3 palm sizes.</i> <input type="checkbox"/> GREEN / PRIORITY 3 Minor Injury or illness. Non-Emergency transport <i>Ex: Sprains, strains, minor heat-related illness.</i>	
Nature of Injury or Illness & Mechanism of Injury		Brief Summary of Injury or Illness <i>(Ex: Unconscious, Struck by Falling Tree)</i>
Transport Request		Air Ambulance / Short Haul/Hoist Ground Ambulance / Other
Patient Location		Descriptive Location & Lat. / Long. (WGS84)
Incident Name		Geographic Name + "Medical" <i>(Ex: Trout Meadow Medical)</i>
On-Scene Incident Commander		Name of on-scene IC of Incident within an Incident <i>(Ex: TFLD Jones)</i>
Patient Care		Name of Care Provider <i>(Ex: EMT Smith)</i>

3. INITIAL PATIENT ASSESSMENT: Complete this section for each patient as applicable (start with the most severe patient)

Patient Assessment: See IRPG page 106

Treatment:

4. TRANSPORT PLAN:

Evacuation Location (if different): (Descriptive Location (drop point, intersection, etc.) or Lat. / Long.) Patient's ETA to Evacuation Location:

Helispot / Extraction Site Size and Hazards:

5. ADDITIONAL RESOURCES / EQUIPMENT NEEDS:

Example: Paramedic/EMT, Crews, Immobilization Devices, AED, Oxygen, Trauma Bag, IV/Fluid(s), Splints, Rope rescue, Wheeled litter, HAZMAT, Extraction

6. COMMUNICATIONS: Identify State Air/Ground EMS Frequencies and Hospital Contacts as applicable

Function	Channel Name/Number	Receive (RX)	Tone/NAC *	Transmit (TX)	Tone/NAC *
COMMAND					
AIR-TO-GRND					
TACTICAL					

7. CONTINGENCY: Considerations: If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead.

8. ADDITIONAL INFORMATION: Updates/Changes, etc.

REMEMBER: Confirm ETA's of resources ordered. Act according to your level of training. Be Alert. Keep Calm. Think Clearly. Act Decisively.

Guidance Updates for Prevention and Management of COVID-19 During Wildland Fire
May 2021

The wildland fire community's greatest resource is our personnel, and ensuring our personnel are healthy is the first step in meeting the wildland fire mission.

The best way to prevent COVID-19 is to avoid being exposed to the SARS-CoV-2 virus causing COVID-19. Due to the nature of the wildland fire work environment, not every recommendation listed below will be feasible and some may need to be modified depending on the uniqueness of one's workplace or fire environment. It is important to emphasize that identifying and preventing the spread of COVID-19 will be critical as all agencies strive to keep their workforce healthy throughout the fire season. Fire agencies should also complete a hazard assessment to identify potential hazards related to COVID-19. The Hazard Assessment and Prevention Toolkit for COVID-19 provides a framework to complete the assessment.

Summary of Major MPHAT Updates-May 2021

- On May 13, 2021, the Centers for Disease Control and Prevention (CDC) provided further guidance for fully vaccinated people with respect to wearing a mask and physical distancing. The President's Executive Order 13991 on Protecting the Federal Workforce requires agencies to adhere to current public health measures as provided in CDC guidance, including with respect to mask wearing, physical distancing, and other safety measures.
- Application of the *Module as One* concept has changed. *Module as One* should be used by crew and modules to reduce exposures to COVID-19 from outside resources or the public, and no longer as a tool to operate in close quarters without masks. Further, because Incident Management Team (IMT) members often travel from various locations, are not able to quarantine ahead of assignment, and often interact with the public and many other IMT members – they cannot achieve a closed "family" unit or be a *Module as One*.
- Availability of the COVID-19 Vaccination. MPHAT recommends the COVID-19 vaccination for wildland fire response personnel to maintain critical fire operations. The full recommendation can be viewed here: <https://www.nwccg.gov/sites/default/files/docs/eb-fmb-m-21-002a.pdf>.
- Quarantine requirements for vaccinated individuals has changed. No quarantine is required if an individual can show they have had a full series of COVID-19 vaccine and is 14 days out from the last vaccination and is without symptoms. It is recommended that the individual be tested for COVID-19 following an exposure and thorough routine workplace screening programs should continue.
- Cleaning with products containing soap or detergent once a day is usually enough to sufficiently remove virus that may be on surfaces and help maintain a healthy facility. If the space is a high traffic or use area or certain conditions apply, cleaning and disinfection may need to occur more frequently.

Incident:
Delta Lake Fire

Date:
7-19-21

Operational Period:
Day



SAFETY MESSAGE **SAFETY IS OUR FIRST PRIORITY**



Fire fighter safety comes first on every fire, every time

LCES

FIRE FIGHTERS CODE OF CONDUCT

IRPG

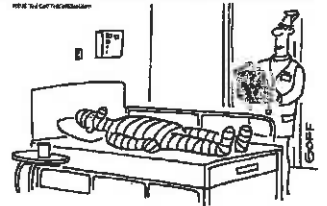
WORK-REST GUIDELINES

OH NO! OH NO!



Safety Thought

Safety is not "someone else's" job.



"I understand you're the worker with the near-perfect safety record."

If it's predictable, it's preventable!
Watch your footing!

MAJOR HAZARDS AND RISKS

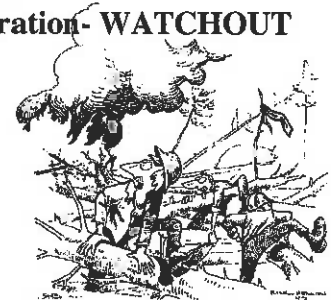
- | | |
|--|---|
| <ul style="list-style-type: none">• Extreme Fire Behavior• Communications• Thunderstorm Safety• Multiple aircraft, heavy reliance for suppression | <ul style="list-style-type: none">• Dehydration—drink plenty of fluids• Vehicle Operations• ICP/Camp—Steps/Slippery Floors• Personal hygiene—wash hands frequently |
|--|---|

INDICATORS OF EXTREME FIRE BEHAVIOR

Whenever any of these indicators are observed on a wildland fire operation- **WATCHOUT**



- A rapid increase in the fire's intensity
- High, sustained rate of spread
- Well-developed convection column
- Long-distance spotting (over 600 feet)
- Fire whirlwinds or horizontal flame sheeting
- Sudden calming of the wind



COMMON DENOMINATORS OF FIRE BEHAVIOR ON TRAGEDY FIRES

- Most incidents happen on smaller fires or isolated portions of larger fires.
- Fires respond quickly to shifts in wind direction or wind speed.
- Flare-ups generally occur in deceptively light fuels.
- Fires run uphill surprisingly fast in chimneys, gullies, and on steep slopes.
- Helicopters and air tankers, can adversely affect fire behavior. The blasts of air from low flying helicopters and air tankers have been known to cause flare-ups and cause weak trees to fall.



Safety Officer

Lee Osterland SOF2

Line Safety

Dan Nesgoda, Harold Kibbee, Scott Belknap

Eastern Area IMT 2 Tactical Risk Management Analysis

Incident: Delta Lake Fire		Date Prepared/Revised: 7/13/21		Operational Period: 7/19/21 Day Shift									
Leaders Intent: Implement sound risk management practices in order to provide for firefighter safety, other responders safety, and public safety. This will be accomplished through the use of good risk analysis processes.													
Mission: Provide for the safety of all in area of incident.													
Location of Mission or Task: All Branches-all Divisions and Groups													
Hazards	Pre-Mitigation			Division/Group		Mitigation	Post-Mitigation			Additional Time Critical Mitigations Utilized or Implemented			
	Likelihood	Severity	Outcome	Div AZ	Preparations		Structure	Cookbook/Labile	Camp/CP		Wilderness	Likelihood	Severity
Extreme Fire Behavior	Probable	Critical	High	X	X	X	X	X	X	Frequent	Critical	Moderate	Monitor weather forecasts for approaching hazardous conditions and be pro-active in decision making.
Driving, roadside hazards, large influx of tourists	Frequent	Critical	High	X	X	X	X	X	X	Frequent	Marginal	Weak-risk	Drive with headlights on at all times. Slow Down. Maintain Awareness. Wear seatbelts. Drive defensively & pay attention to signage. Make sure vehicles are well maintained. Wash windows both inside and out.
Canadian Fires	Probable	Marginal	Moderate	X	X	X	X	X	X	Rare	Negligible	Low	Maintain situational awareness of what the Canadian wildfire potential is. Run fire behavior models daily. Monitor and stay abreast of weather forecasts. Be proactive and develop action plans. If operational needs develop ensure integrity of Delta Lake Fire operations aren't compromised.
Stinging Insects	Frequent	Critical	High	X	X	X	X	X	X	Frequent	Marginal	Weak-risk	Ensure crew members have needed medication. Use repellent as necessary. Advanced Life Support, Multi-Dose Epi. and allergy protection.
Communications	Probable	Marginal	Moderate	X	X	X	X	X	X	Frequent	Marginal	Moderate	Maintain communication with aviation resources and suppression organization, ensure all know frequency and protocol for contacting resources, minimize mid shift communication plan changes. Track activities in the Wilderness Area.
Air Operations	Probable	Catastrophic	High	X	X	X	X	X	X	Occasional	Catastrophic	High	Use aircraft SOPS and use Air Attack when using multiple aircraft. Ground troops use signal devices and positive comms with aircraft. Brief on sling operations.
Fatigue, Illness, Dehydration	Occasional	Critical	Moderate	X	X	X	X	X	X	Negligible	Negligible	Low	Drink 1 quart of water/hour to ward off dehydration. Set a reasonable work pace and allow adequate rest breaks. Follow workout guidelines. Use buddy system to monitor personnel of heat related & fatigue issues.
COVID 19	Occasional	Critical	Moderate	X	X	X	X	X	X	Rare	Marginal	Weak-risk	Practice social distancing. Clean and disinfect surfaces that have been potentially contaminated. Report to supervisor immediately if feeling ill. Utilize hand sanitizer after touching foreign surfaces. Wash your hands frequently with soap and water or utilize hand sanitizer as a substitute.
Watercraft Operations	Occasional	Marginal	Moderate	X	X	X	X	X	X	Occasional	Marginal	Low	Fill out Float Plan and review Job Hazard Analysis for marine operations. Brief passengers of watercraft safety procedures prior to launch. Develop float tracking protocol from launch to destination and back. Conduct watercraft operation training.
Initial Attack	Occasional	Marginal	Moderate	X	X	X	X	X	X	Occasional	Marginal	Moderate	Receive a thorough briefing including assignment, fire behavior and weather and communication. Be sure releasing resources for initial attack doesn't compromise the integrity of the Delta Lake fire operations.
Wildland Urban Interface	Probable	Marginal	Weak-Like	X	X	X	X	X	X	Probable	Marginal	Moderate	Conduct Risk Assessment of area and mitigate as needed. Identify Management Action Points and thresholds for reassessment. Avoid power lines. Follow agency processes and protocols. Develop structure protection plan. Ensure evacuation plan is in place.
Snags/Hazard Trees/Blow Down Areas	Probable	Marginal	Moderate	X	X	X	X	X	X	Frequent	Marginal	Low	Use qualified sawyers when addressing snags, hazard trees/blow downs, flag hazard trees, avoid suppression tactics or modified line location, provide timely feedback to others of hazard areas with snags/blow downs. Cut escape routes in blow down areas.

Comments: Special attention needs to be paid to ensure good communication in the Wilderness areas. Air operations will require additional emphasis on safety mitigation measures.

Mechanized Equipment Record

Boundary Waters Canoe Area Wilderness

1. Forest:

District:

2. Incident Name:

Incident Commander's Name:

3. Authorization Date:

4. Authorization Type (check):

Emergency, Fire ____

Emergency, Other ____

Emergency, Law

State and Private Land Access ____

Enforcement ____

Administrative ____

Emergency, Search and
Rescue ____

5. Authorization Time Span (often the life of the fire):

Starting Date:

Ending Date:

6. Requestor:

Internal to Forest Service:

OR External to Forest Service:

7. Authorizing Official's Title (and Name of District Ranger):

Chief ____

Forest Supervisor ____

Regional Forester ____

District Ranger ____

8. Remarks (1. how fire started, 2. minimum tool rationale for motorized equipment needs, and 3. actions with the equipment like long-lining, bucket drops, sling loads, landings, jumpers, etc.):

9. Equipment Type, number, and hours used:

Air Tanker ____, __

Motorcycle ____, __

Float Plane ____, __

Portable Pump ____, __

ATV ____, __

Rock Drill ____, __

Bicycle ____, __

Snowmobile ____, __

Chainsaw ____, __

Truck ____, __

Generator ____, __

Wheelbarrow ____, __

Heavy Equipment ____, __

Portage wheels ____, __

Helicopter ____, __

Winch, Motorized ____, __

Motor boat ____, __

10. Name, Phone Number, & District of Person Submitting Form:

EA IMT Silver SUF West Zone Complex

POSITION	NAME	PHONE#	EMAIL
ICT2	Lucas Minton	928-707-1940	
ICT2 (t)	Russ Harris	573-718-1709	
SOF2	Lee Osterland	231-357-7381	
SOFR	Harold Kibbe	231-920-5085	
PIO2	Cecile Stelter	814-688-7133	
PIO2	Catherine Koele	608-219-9075	2021.westzone@firenet.gov
PIO2 (t)	Robert Fitzhenry	603-953-3294	
LOFR	James Furman	850-978-3236	
LOFR (t)	Paul Rogers	616-260-8406	
OSC2	Keith Murphy	906-250-1382	
OSC2	Jay Saunders	715-850-1338	
OPBD	Greg Peterson	218-214-1476	
DIVS	Kevin Sherretz	231-357-0112	
DIVS	Steve Cameron	231-357-7404	
DIVS	Mark Brown	207-233-9348	
DIVS	Jacobie Waters	530-414-3470	
PSC2	John Wyman	740 817-0174	
PSC2	Barb Geringer	202-577-4827	
RESL	Pete Fischer	304-618-9083	2021.deltalake.resourcenes@firenet.gov
SITL	Ben Garrett	715-416-4754	2021.deltalake.situation@firenet.gov
FBAN	Scott Linn	715-889-1824	
GISS	Matt Judd	218-626-4382	
ITSS (CTSP)	Bruce Bowen	414-416-8685	
LSC2	Tim Oland	218-244-7249	
LSC2 (t)	Todd Manley	218-244-7925	
FACL	Jonathan Benson	218-206-1462	
SUPL	Thomas Piper	727-514-5513	2021.deltalake.ordering@firenet.gov
COML	Peter Willis	320-630-3193	
MEDL	Terry O'Connor	218-368-8554	
MEDL (t)	Kate Batten	907-328-9318	
RCDM	Christopher Combs	727-992-0046	
BCMG	Jonathon Breithaupt	231-632-0135	
EQPM	Mike Trierweiler	218-343-9371	
ORDM	Cathy Schiller	218-831-4367	
FSC2	Peter Beringer	603-970-1338	
FSC2 (t)	Mary Coleman	573-210-7073	
TIME	Valarie Sanchez	505-269-7808	
PROC	Tommy Price	863-661-4019	
EQTR	Jennifer Gallagher	989-339-7097	
PTRC	Barbara Ortega	505-999-0822	
PTRC	Rosemary Johnson	218-252-2363	
PTRC	Farrah Scalora	239-202-1816	
GSUL	Jay Aron	401-316-8730	

From Your Friendly Finance Team...

Please email all CTR & Shift Tickets **DAILY** and only attach **ONE** CTR or Shift Ticket per email.

2021.deltalake.finance@firenet.gov



QR Code for Finance Email

Email subject line should include: Resource Order # & Names
(example O-100 & Smokey Bear)

Please include your phone number in the email.

Please use the following fire codes for all incident related cost such as: payroll, travel, and invoices.

MN-SUF-000333
P9N461 (0909)

For Finance Questions Call: Val @ 505-269-7808

Virtual Check-in

The new national virtual Check-in is here and we will ALL, as in everyone, need to check in using the virtual process.

The one bug is with question #2 - Eastern Incident Number. The drop down box has two choices, but regardless of what your resource order has on it WE WILL

ONLY USE **MN-SUF-000333.**

Link to Check-In form:

<https://bit.ly/2Rr545v> or use the QR Code attached below.



Virtual Demob Process

Resources are asked to complete this virtual process to initiate their demobilization. Only one submission is necessary per resource – overhead, engine module, crew, etc.

Either the QR code or link below may be used.



<https://forms.office.com/g/6YtoazYkfk>

Supply Unit ordering

To order supplies:

Please include that all forms must be filled out with at least 24 hour turn around and include a phone number so we can call if we have questions.

Also all orders have to have SUF West Zone Complex as the fire, not Delta.

You can do an electronic link to the resource order sheets and 213, but the saw one needs to be a hard copy for the crews to use and drop off at supply.

Thanks Tom

email to: 2021.deltalake.ordering@firenet.gov

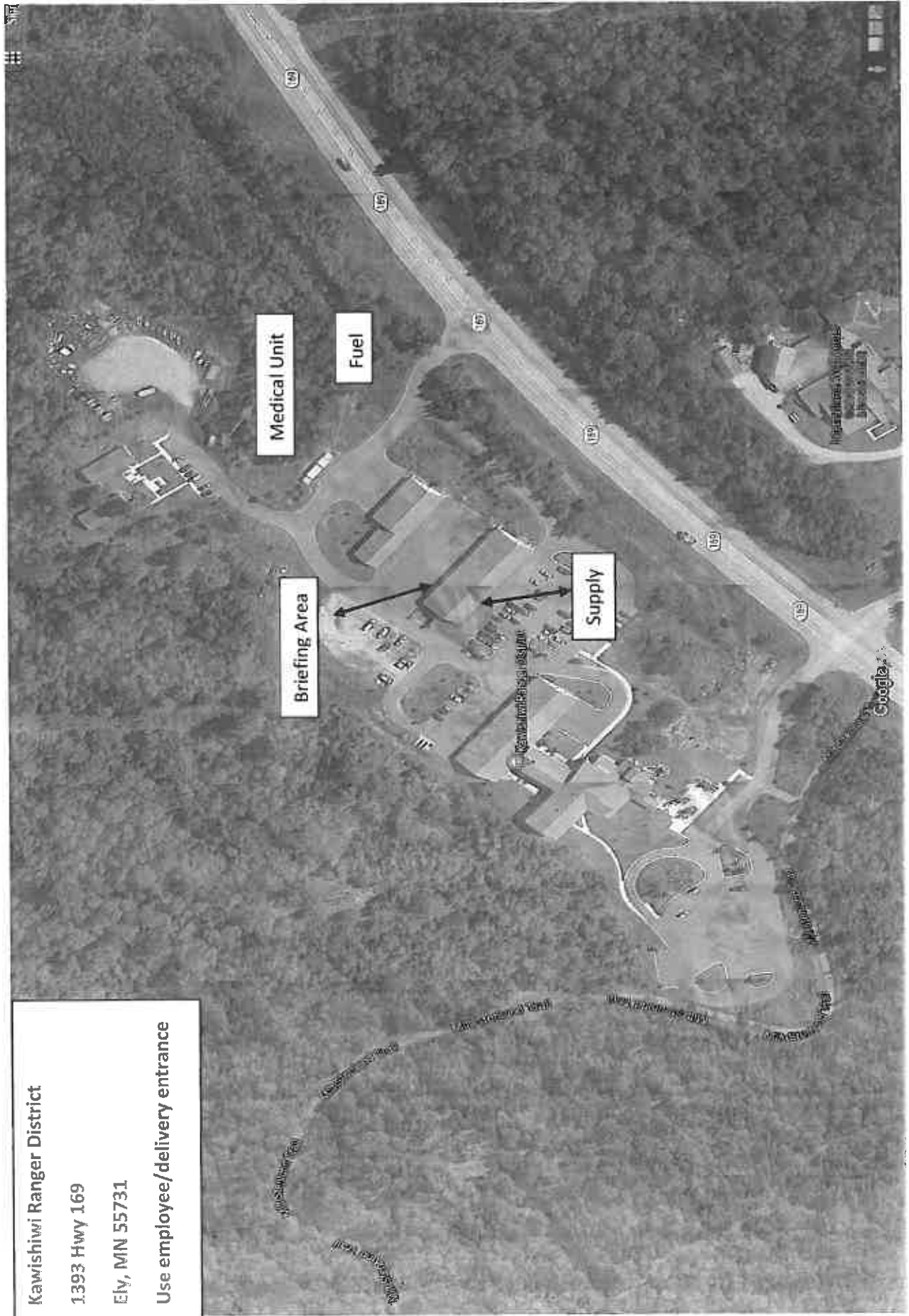


Kawishiwi Ranger District

1393 Hwy 169

Ely, MN 55731

Use employee/delivery entrance



Vermilion Community College
1900 East Camp Street
Ely MN, 55731

