

Skibo Fire

Incident Action Plan




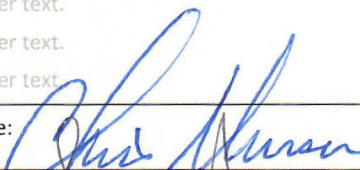
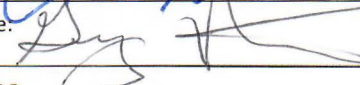
Operational Period

Friday, 13 May 2016
0700 – 2000

MN-SUF-000194
P9J8WD (0909)

Speedchart: R29323132N
CC2: 13118

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: Skibo Fire	2. Operational Period: Date From: 5/13/2016 Date To: 5/13/2016 Time From: 0700 Time To: 2000		
3. Objectives: <ul style="list-style-type: none"> ▪ Implement tactical and threat mitigation measures that provide for firefighter and public safety through application of the 10 standard fire orders, LCES, and mitigation of the 18 Watchout Situations and applications of the Risk Management process. ▪ Manage the incident in a cost effective and efficient manner commensurate with personal and public safety related to values at risk. ▪ Commensurate with Public Safety and resource availability; keep fire west of Stone Lake, south of Forest Road 420, east of Highway 110 and the city of Hoyt Lakes, and limit fire growth to the south towards Fairbanks/Cadotte Lake. ▪ Review, validate or revise management action points (MAP) and implement management action as necessary to protect values at risk. ▪ Manage the incident with as little environmental damage as possible and implement Minimum Impact Suppression Tactics (MIST) during fireline construction, mop-up and rehabilitation. ▪ Provide for regular and accurate incident information to the public, homeowners and businesses in the vicinity of the fire, as well as other media and partnering agencies. ▪ Work with the St. Louis County and Lake County Sheriffs and East Range Police Chief evaluating MAPs associated with private lands. Any evacuation will be ordered by the St. Louis or Lake County Sheriff or East Range Police Department depending on location. ▪ Maintain Communication with Canadian National Railroad to ensure firefighter safety during passage of trains. ▪ Maintain and foster a high level of ethical conduct. 			
4. Operational Period Command Emphasis: <ul style="list-style-type: none"> • Provide initial attack support to the Superior National Forest 	SAFETY MESSAGE Driving Safety Driving is one of the most hazardous things we do because we literally perform the task hundreds of times in the course of our daily lives we tend to take it for granted.  <ol style="list-style-type: none"> 1. Driving Habits Train yourself to do the right things the right way, like fastening your seat belt, checking your mirrors, and maintaining safe following distances. 2. Avoid Inattentiveness Develop techniques that allow you to refocus our attention on our driving. 3. Avoid Distractions Fatigue, eating and drinking, reading directions and maps, writing, cell phone and radio use, conversation within the vehicle and music are all examples to avoid while driving. <ul style="list-style-type: none"> • Drive only when you are well rested and alert and avoid driving during the hours of 10:00 PM and 6:00 AM. Take a 10 to 15 minute break after every 2 hours. • Practice situational awareness; be aware of what is happening in front, behind, and on both sides of your vehicle. • Never drive when taking medications that make you drowsy. • Delegate navigation and communication to a passenger or pull over. • By constantly moving your vision, checking mirrors and distant road conditions, you can avoid highway hypnosis and daydreaming. • Avoid eating or drinking while driving. • When talking with passengers, keep your eyes on the road and both hands on the steering wheel. Avoid serious or argumentative conversations. • Do not be in a hurry, be patient. 4. Vehicle Safety Do a vehicle walk-around to look for potential problems, make sure the lights and blinkers work, and adjust your seat and mirrors. If it is the first time you have driven the vehicle, make yourself aware of where everything is. 		
5. General Situational Awareness <ul style="list-style-type: none"> • 			
6. Site Safety Plan Required? Yes <input type="checkbox"/> No <input type="checkbox"/> Approved Site Safety Plan(s) Located At: Briefing Site Hockey Arena			
7. Incident Action Plan (the items checked below are included in this Incident Action Plan): <table style="width: 100%; border: none;"> <tr> <td style="border: none; width: 50%;"> X ICS 203-Org Assign x ICS 208-Safety Msg X ICS 204-Divs Assign x ICS 220-Air Ops Summary X ICS 205- Comm Plan x Incident Map/Chart <input type="checkbox"/> ICS 205A- Comm List x Weather Forecast X ICS 206-Med Plan x Fire Behavior Forecast <input type="checkbox"/> ICS 207-Org Chart </td> <td style="border: none; width: 50%; vertical-align: top;"> Other Attachments: <input type="checkbox"/> Click here to enter text. <input type="checkbox"/> Click here to enter text. <input type="checkbox"/> Click here to enter text. <input type="checkbox"/> Click here to enter text. <input type="checkbox"/> Click here to enter text. </td> </tr> </table>		X ICS 203-Org Assign x ICS 208-Safety Msg X ICS 204-Divs Assign x ICS 220-Air Ops Summary X ICS 205- Comm Plan x Incident Map/Chart <input type="checkbox"/> ICS 205A- Comm List x Weather Forecast X ICS 206-Med Plan x Fire Behavior Forecast <input type="checkbox"/> ICS 207-Org Chart	Other Attachments: <input type="checkbox"/> Click here to enter text. <input type="checkbox"/> Click here to enter text. <input type="checkbox"/> Click here to enter text. <input type="checkbox"/> Click here to enter text. <input type="checkbox"/> Click here to enter text.
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8. Prepared by: Name: Chris Mursu Position: RESL(t) Signature: 			
9. Approved by Incident Commander: Name: Greg Peterson Signature: 			
ICS 202 (2014)	IAP Pages:	Date/Time: 5/12/2016 1700	



Incident Weather Forecast



FORECAST NO: 10
PREDICTION FOR: Day Shift; May 13th, 2016
FORECAST ISSUED: 1900 CDT Wednesday, May 12th 2016

INCIDENT: Skibo Fire; MN-SUF-000194
SIGNED: *Amanda Graning*
Incident Meteorologist

-----WEATHER DISCUSSION-----

A few light snow showers/flurries or patchy freezing drizzle will track over the Skibo fire tonight. No accumulation is expected. A cooling and drying trend, along with gusty Northwest winds will prevail through the weekend. Afternoon relative humidity values will fall to around 30% with poor overnight recoveries Saturday and Sunday.

There is a potential that RH values dip into the upper 20s Saturday afternoon. The combination of gusty northwest winds and low RH will result in near-critical fire weather conditions Saturday.

FRIDAY: Weather: Cloudy & Breezy Max Temperature: 45 F Min Humidity: 40% 20 FT Winds: NW 12 to 15 mph. Gusts around 25 mph	FRIDAY NIGHT: Weather: Cloudy. Frost. Flurries or patchy freezing drizzle Min Temperature: 25-30 F Max Humidity: 90% Wind (20 Foot): Northwest 3 to 7 mph
SATURDAY: Weather: Partly cloudy, becoming mostly sunny in afternoon. Breezy. Max Temperature: 40-45 F Min Humidity: 25-30% 20 FT Winds: NW 10 to 12 mph. Gusts to 25 mph.	SATURDAY NIGHT: Weather: Cloudy. Frost. Min Temperature: 25 F Max Humidity: 80% Wind (20 Foot): Northwest 2 to 5 mph
SUNDAY: Weather: Mostly sunny, becoming partly cloudy Max Temperature: Around 50 F Min Humidity: 30% 20 FT Winds: NW 5 to 8 mph. Gusts to 15 mph	

Fire Behavior for Friday 5/13:

	TEMP	RH	WIND	Precip	FFMC	DMC	DC	ISI	BUI	FWI
Forecast Today	45	40	NW 12-15 g 25	0	81	45	99	7	45	9

Fuel Model	ROS (ch/hr)			Flame Length
	Head	Backing	Flanking	
C-3 Mature jack pine	0	0	0	~
C-2 Boreal Spruce	4	1	2	6
M-1 Boreal Mixedwood	2	0	1	3
O-1b Standing grass	7	1	1	5
M-3 Dead Balsam mxd	8	2	3	8

Probability of Ignition around 30-40%
 Watch for falling snags and slippery rocks.

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: <b style="font-size: 1.2em;">Skibo Fire		2. Operational Period:	Date From: 5/13/16 Time From: 0700	Date From: 5/13/16 Time From: 2000
3. Incident Command and Command Staff		7. Operations Staff		
IC / UCs	ICT4 – John Abts	Chief		
	ICT4(t) – Chris Kramer	Deputy		
Deputy		Staging Area		
Safety Officer		Branch		
Public Info. Officer	Tim Engrav 218-208-4585	Branch Director		
Liaison Officer		Deputy		
		Division/Group		
4. Agency/Organization Representative		Division/Group	M	E662 Ray
Agency Organization	Name	Division/Group	N	E612 Schmidt
USFS Laurentian	Terry Gallagher	Division/Group	Z	E631 Tosse
		Division/Group		
		Branch		
		Branch Director		
		Deputy		
		Division/Group		
5. Planning Section:		Division/Group		
Chief	Ashley May-Klick 218-576-5212	Division/Group		
Deputy		Division/Group		
Resources Unit		Division/Group		
Situation Unit		Branch		
IMET		Branch Director		
GISS	Connie Rasmussen	Deputy		
ITSS		Division/Group		
FBAN		Division/Group		
Demob/Status/Check-In		Division/Group		
TNSP		Division/Group		
6. Logistics Section:		Division/Group		
Chief	Dave Worshek 218-290-7192	Air Operations Branch		
Deputy		Air Ops Branch Dir.		
Support Branch		Air Support Grp Sup		
Director				
Supply Unit				
Facilities Unit		8. Finance/Administration Section:		
Ground Support Unit		Chief	Joyce Rairdon	
Service Branch		Deputy	Andrea White	
Director		Time Unit		
Communications Unit		Procurement Unit		
Communications Tech		Comp/Claims Unit		
Medical Unit		Cost Unit		
Food Unit		Personnel Time Rec		
Ordering Manager	Jamie Chopp			
9. Prepared By:	Name: Chris Mursu	Title: RESL(t)	Signature: /s/ Chris Mursu	
ICS 203	IAP Page 1			

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1. Incident Name: Skibo Fire	2. Date/Time Prepared: Date: 5/12/2016 Time: 2100	3. Operational Period: Date From: 5/13/2016 Date To: 5/13/2016 Time From: 0700 Time To: 2000
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4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	TX Tone/NAC	Mode (A, D, or M)	Remarks
	1	SUF SIMPLEX		COMMAND	170.525		170.525			
	3	MT WEBER		COMMAND REPEATER	170.525		164.137 5	141.3		
	6	SUF Air to Ground 19		A/G	168.125		168.125			
	7	SUF TAC 1			169.125		169.125			
	8	MN FS TAC 2			171.475		171.475			
	16	AIR GUARD			168.625		168.625	110.9		

5. Special Instructions:

6. Prepared by (Communications Unit Leader): Name: _____ Signature: _____

ICS 205	IAP Page	Date/Time: 5/12/2016 12:00 AM
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MEDICAL PLAN (ICS 206)

1. Incident Name: Skibo Fire	2. Operational Period: Date From: 5/13/2016 Time From: 0700	Date To: 5/13/2016 Time To: 2000
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3. Medical Aid Stations:			
Name	Location	Contact Number(s)/Frequency	Paramedics on Site?
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

4. Transportation (indicate air or ground):			
Ambulance Service	Location	Contact Number(s)/Frequency	Level of Service
Hoyt Lakes Fire & Rescue	ground Hoyt Lakes, MN	911	<input type="checkbox"/> ALS <input checked="" type="checkbox"/> BLS
Virginia Fire Department	ground Virginia, MN	911	<input checked="" type="checkbox"/> ALS <input type="checkbox"/> BLS
Life Link III	air Hibbing, MN -- 30 min. flight from Hibbing to Skibo	911 800/328-1377	<input checked="" type="checkbox"/> ALS <input type="checkbox"/> BLS
St. Louis Co. SAR	air & ground Virginia & Duluth - Dispatched by St. Louis County	911 218/625-3961	<input checked="" type="checkbox"/> ALS <input type="checkbox"/> BLS

5. Hospitals:							
Hospital Name	Address, Latitude & Longitude if Helipad	Contact Number(s)/Frequency	Travel Time		Trauma Center	Burn Center	Helipad
			Air	Ground			
Essentia Health Northern Pines	5211 Highway 110, Aurora, MN	218/229-2211 47° 31.05' 92° 13.81'	5 min.	30 min.	<input checked="" type="checkbox"/> Yes Level: <u>4</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Essentia Health Virginia Hospital	901 9th St. North, Virginia, MN	218/741-3340 47° 31.53' 92° 32.52'	15 min.	1 hr.	<input checked="" type="checkbox"/> Yes Level: <u>4</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
St. Luke's Hospital	915 E.1st St., Duluth, MN	218/249-5555 46° 47.85' 92° 05.16'	30 min.	1.5 hrs.	<input checked="" type="checkbox"/> Yes Level: <u>2</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Essentia St. Mary's Medical Center	407 East 3rd St., Duluth, MN	218/786-4000 46° 47.63' 92° 47.63'	30 min.	1.5 hrs.	<input checked="" type="checkbox"/> Yes Level: <u>2</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
					<input checked="" type="checkbox"/> Yes Level: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

6. Special Medical Emergency Procedures:

Ensure scene safety (remove yourself and patient from risk of further harm)
 Report medical emergency to supervisor
 Identify IC for the incident within the incident
 Identify a person to be the point of contact for the incident within the incident
 Clear radio traffic on COM2 RPT then relay 9 Line Medical Incident Report to Skibo Communication (pages 108 & 109 in IRPG)

Skibo helispot location (H-1): 47° 29.35' North, 91° 59.30' West

Refer to pink pages in IRPG for more medical information

Check box if aviation assets are utilized for rescue. If assets are used, coordinate with Air Operations.

7. Prepared by (Medical Unit Leader): Name: <u>Clarissa Spicer MEDL(t)</u>	Signature:
8. Approved by (Safety Officer): Name: <u>KONALD E. GUCK</u>	Signature:
ICS 206	IAP Page _____ Date/Time: <u>05/12/2016 1330</u>

9 Line Medical Incident Report

Medical Incident Report

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

Use items one through nine to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS/DISPATCH

Ex: "Communications, Div. Alpha. Stand-by for Priority Medical Incident Report." (If life threatening request designated frequency be cleared for emergency traffic.)

2. INCIDENT STATUS: *Provide incident summary and command structure.*

Nature of Injury/Illness		<i>Describe the injury (Ex: Broken leg with bleeding)</i>
Incident Name		<i>Geographic Name + "Medical" (Ex: Trout Meadow Medical)</i>
Incident Commander		<i>Name of IC</i>
Patient Care		<i>Name of Care Provider (Ex: EMT Smith)</i>

3. INITIAL PATIENT ASSESSMENT: *Complete this section for each patient. This is only a brief, initial assessment. Provide additional patient info after completing this 9 Line Report.*

Number of Patients:	Male / Female	Age:	Weight:
Conscious? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!			
Breathing? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!			
Mechanism of Injury: <i>What caused the injury?</i>			
Lat/Long (Datum WGS84) <i>Ex: N 40° 42.45' x W 123° 03.24'</i>			

4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY

SEVERITY	TRANSPORT PRIORITY
<input type="checkbox"/> URGENT-RED Life threatening injury or illness. <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented.</i>	Ambulance or MEDEVAC helicopter. Evacuation need is IMMEDIATE.
<input type="checkbox"/> PRIORITY-YELLOW Serious Injury or illness. <i>Ex: Significant trauma, not able to walk, 2° – 3° burns not more than 1-2 palm sizes.</i>	Ambulance or consider air transport if at remote location. Evacuation may be DELAYED.
<input type="checkbox"/> ROUTINE-GREEN Not a life threatening injury or illness. <i>Ex: Sprains, strains, minor heat-related illness.</i>	Non-Emergency. Evacuation considered Routine of Convenience.

5. TRANSPORT PLAN:

Air Transport: (Agency Aircraft Preferred)

<input type="checkbox"/> Helispot	<input type="checkbox"/> Short-haul/Hoist	<input type="checkbox"/> Life Flight	<input type="checkbox"/> Other
Ground Transport:			
<input type="checkbox"/> Self-Extract	<input type="checkbox"/> Carry-Out	<input type="checkbox"/> Ambulance	<input type="checkbox"/> Other

6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:

<input type="checkbox"/> Paramedic/EMT(s)	<input type="checkbox"/> Crew(s)	<input type="checkbox"/> SKED/Backboard/C-Collar
<input type="checkbox"/> Burn Sheet(s)	<input type="checkbox"/> Oxygen	<input type="checkbox"/> Trauma Bag
<input type="checkbox"/> Medication(s)	<input type="checkbox"/> IV/Fluid(s)	<input type="checkbox"/> Cardiac Monitor/AED
<input type="checkbox"/> Other (i.e. splints, rope rescue, wheeled litter)		

7. COMMUNICATIONS:

Function	Channel Name/Number	Receive (Rx)	Tone/NAC *	Transmit (Tx)	Tone/NAC *
<i>Ex: Command</i>	<i>Forest Rpt, Ch. 2</i>	<i>168.3250</i>	<i>110.9</i>	<i>171.4325</i>	<i>110.9</i>
COMMAND					
AIR-TO-GRND					
TACTICAL					

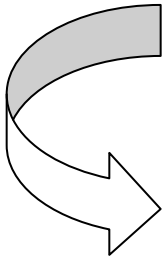
*(NAC for digital radio system)

8. EVACUATION LOCATION:

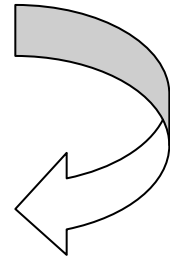
Lat/Long (Datum WGS84) <i>EX: N 40 42.45' x W 123 03.24'</i>	
Patient's ETA to Evacuation Location:	
Helispot/Extraction Size and Hazards:	

9. CONTINGENCY:

Considerations: <i>If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead...</i>	REMEMBER: Confirm ETA's of resources ordered Act according to your level of training Be Alert. Keep Calm. Think Clearly. Act Decisively.
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Safety Message Safety Message



Incident: SKIBO FIRE	Date: May 13, 2016	Shift: Day
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THINK-----SAFETY-----FIRST Recognize Potential Hazards Ahead of Time!

Step Back
Think
Organize
Proceed



The cornerstone of safety is to take time to assess the job and its environment. In order to encourage this principle, please consider using the “STOP” acronym to act as a reminder to pursue all jobs in a safe manner

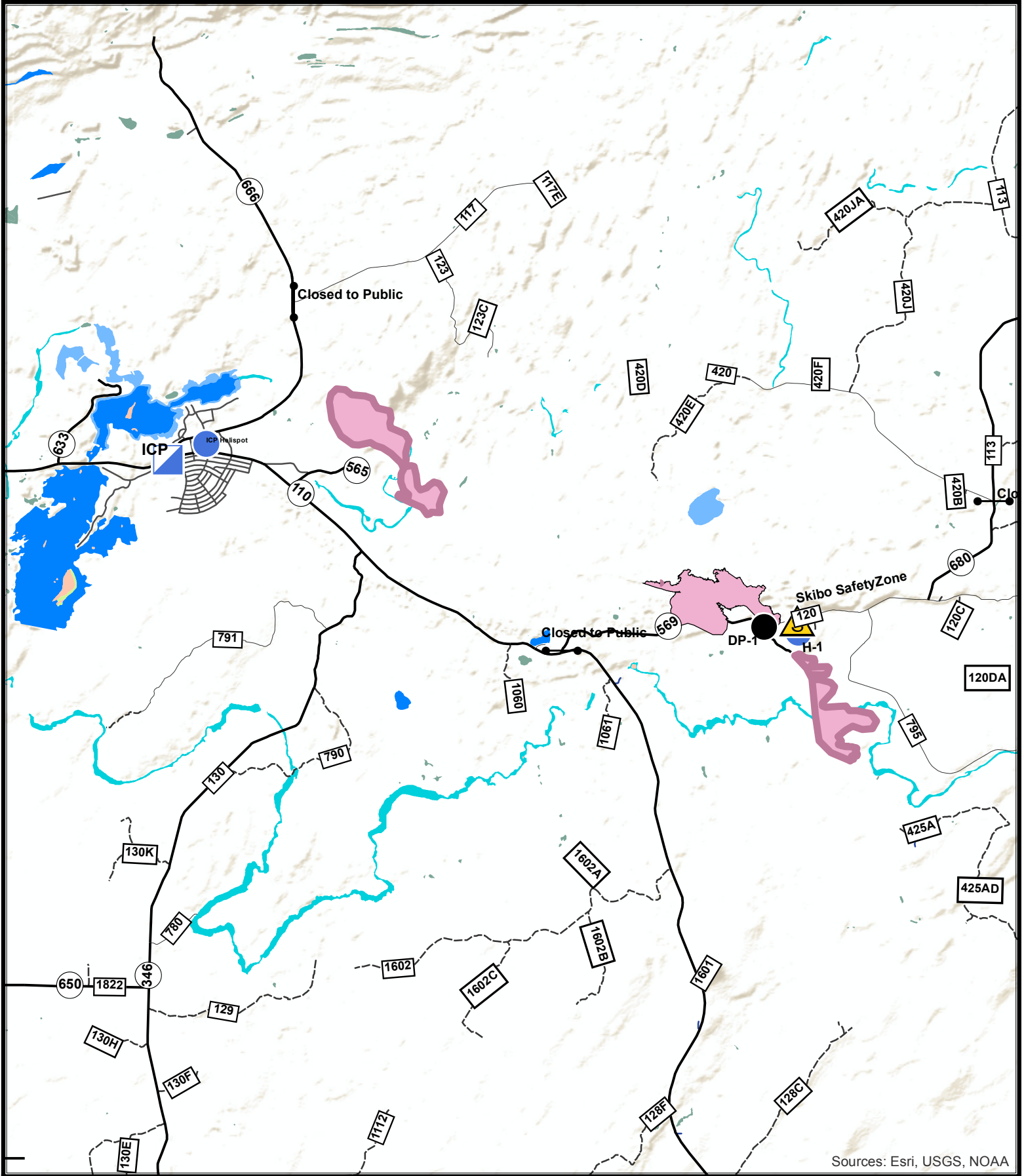
All fire personnel and resources need to continue to utilize LCES, Ten Fire Orders, and the 18 Watch out Situations when engaging in all fire operations. Take care of personal health conditions. Seek medical care for any tick bites. Fire activity is slowing down and Mop Up and Rehab operations may lead to complacent attitudes. Stay alert and remember these hazards:

- Driving local roads and streets- Public traffic will now be present!



- Cooler Temps., higher RH, avoid hypothermia, know the symptoms
- Train Traffic/RailRoad Track crossing
- SnagsSnagsSnags!
- Stump holes and blowing ash
- Keep your head up and maintain your working distance
- Don't get in a hurry
- Stay heads up and gather and maintain your *SITUATIONAL AWARENESS!*

<i>Line Safety Officers ICT4 TEAM</i>	<i>Safety Officer</i>
	RON GUCK SOF2

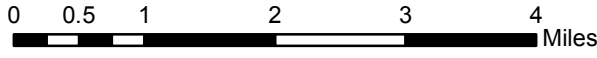


Sources: Esri, USGS, NOAA

Transportation Map
SKIBO
 MN-SUF-000194
 May 9, 2016
 NAD 1983

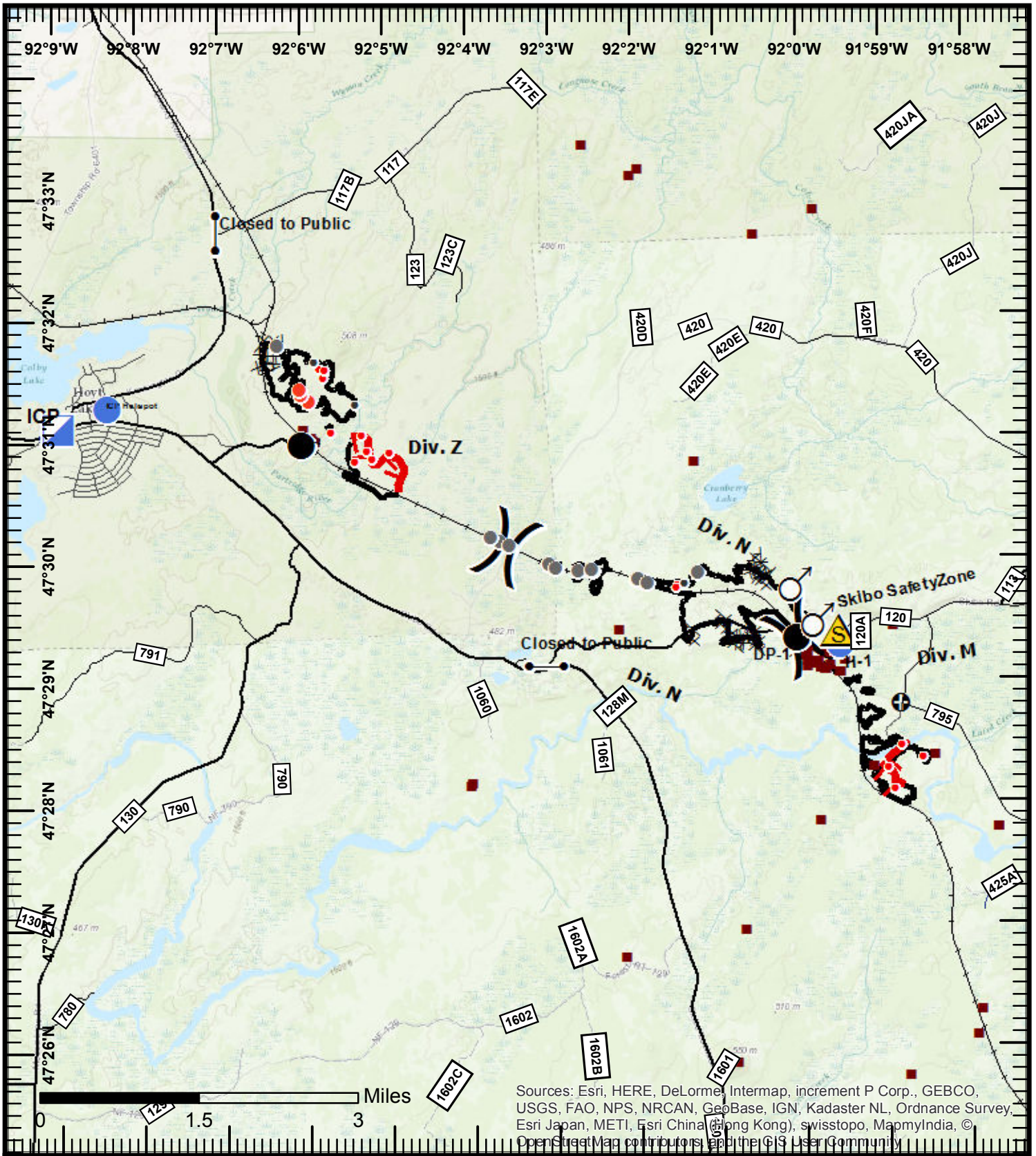
Legend

- Drop Point
- Helispot
- ▲ Safety Zone
- Gate
- ▣ Incident Command Post
- ▬ Fire Boundary



W.Glesener
 May 08, 2016
 21:48 Hrs





Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

SKIBO
MN-SUF-000194
DAY SHIFT
May 12, 2016
975 acres
NAD 1983



Legend

- IR Isolated Heat Source
- Hot Spot
- Old IR Heat Source
- Old Hot Spot
- ♂ Old Spot Fire
- Structures
- Helispot
- Drop Point
- Gate
- ⚠ Safety Zone
- Incident Command Post
-) Division
- ▬ Uncontrolled Fire Edge
- ⋯ Completed Dozer Line
- Completed Line
- ⊕ Other



C. Rasmussen
May 11, 2016
18:44 Hrs



IMT B
PETERSON

UNIT LOG		1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED
4. UNIT NAME/DESIGNATORS.	5. UNIT LEADER (NAME AND POSITION)		6. OPERATIONAL PERIOD	
7. PERSONNEL ROSTER ASSIGNED				
NAME		ICS POSITION		HOME BASE
8. ACTIVITY LOG (CONTINUE ON REVERSE)				
TIME	MAJOR EVENTS			

