

Incident Action Plan

SS052-23

507,306 Ha

September 22 2023

Operational Period 08:00 – 20:00



Have a picture for the IAP? Text 705-280-9097

Approved by: Cassandra Campbell, Planning Section Chief

Approved for implementation by: Bob Hurley, Incident Commander

 Incident Objectives (ICS 202)	Date & Time Prepared	Fire # SS052-23
	09/22/2023	
Operational Period: 08:00 – 20:00		
GENERAL OBJECTIVES		
Wildland Division Protect Community of Hay River and Kakisa Protect Critical Infrastructure Ground forces to limit growth Heavy equipment bolstering existing fire guards Structural Division Assess properties for structural protection and deploy where needed Mop up impacted areas Maintain Operational Readiness		
GENERAL SAFETY MESSAGE		
Each firefighter must know and address LACES: <ul style="list-style-type: none"> • Lookouts • Anchor Points • Communications • Escape routes • Safety zones <p> Select Lookouts (utilize both air and ground) to assess and reassess the fire environment; make sure your lookout can view the fire in relationship with your fire crew. Establish Anchor Points, all constructed fire line must start and end at an anchor point; which is a barrier to fire spread. Set-up Communications, ensure that you fully understand the instructions that you have been given and that the instruction you have given are understood. Ensure you are in contact with someone who can supply you with intelligence. Escape routes, always have a minimum of 2 escape routes that lead to viable Safety Zones and ensure that you give yourself enough time to safety travel to the safety zone. </p> <p>Let's not lose sight of what our number 1 priority is out here....and that's our safety!!!</p>		
GENERAL MESSAGES		
THE QR CODE FOR MAPS HAS CHANGED – SEE BACK OF IAP FOR THE UPDATED CODE. Please remember that it is a zero-tolerance work environment and camp.		

Prepared by:	Cassandra Campbell	IC Signature:	
Approved by:	Bob Hurley		

ORGANIZATION LIST		INCIDENT NAME: SS052-23
OPERATIONAL PERIOD: 09/22/2023, 08:00 - 20:00		
INCIDENT COMMAND		
Wildland IC	Bob Hurley	705-457-0184
Safety Officer	Greg Riley	705-943-0236
Territorial Information Desk		Nwtfire_info@gov.nt.ca
AGENCY/ORGANIZATION REPRESENTATIVES		
Hay River Fire Operations	General Line / Dave Johnson	867-875-5555
Hay River Area Duty Officer	Mike Krutko	867-446-9013
Hay River Warehouse	Brian Martineau	867-695-6369
Manitoba Agency Rep.	Kim Fiddler	204-391-5389
FINANCE AND ADMINISTRATION		
Chief	Heather Coffell	705-271-5387
Time	Annika Pellissey	867-875-0214
PLANNING SECTION		
Chief	Cassandra Campbell	705-280-9097
Resource Unit	Raelene Lamalice	780-380-7348
FBAN	Matt Coyle	807-323-3830
GIS	Kathleen Groenewegen	867-875-8310
LOGISTICS SECTION		
Chief	Pat Kenney	807-629-0416
Facilities Unit	Kyle Lachnit	780-915-6624
SUPPORT BRANCH		
Kitchen Manager (Horizon North)	Scott Collingwood	780-996-9865
Basecamp Manager (Tradeshow Direct)	Jeff Griffiths	867-875-8342
OPERATIONS SECTION		
Chief	Mike Calvank	705-665-4292
Division Alpha	OSC	
Division Bravo	Mike Tsetso/ Brendan Hadju	867-876-3325/ 403-612-1828
Division Charlie South	Andrew Skingle	867-334-4304
Division Charlie North	Kyle Kras	204-620-4547
HEAVY EQUIPMENT BRANCH		
Heavy Equipment Branch Director	Neil Walton	867-875-7538
STRUCTURAL BRANCH		
Structural Branch Director (Division D)	Matt Smith	780-814-2453
Wildlife Contact	Albert Bourque Mike Krutko	867-875-7578 867-446-9013
AIR OPS BRANCH		
Air Ops Branch Director	Mike Shapland	807-221-7919
<i>For fire branch and divisional personal see Assignment List Form's.</i>		

Safety Message

SAFETY MESSAGE	INCIDENT NAME:	DATE PREPARED:	OPERATIONAL PERIOD:
	SS052-23	09/21/2023	09/22/2023, 08:00 – 20:00

Failing Spruce Trees

Spruce trees have a very shallow root collar which does not adhere well to the soils when the duff layer is burnt away. **In seasons such as this with particularly high drought codes, all organic materials are consumed by fire.** With continual burning, lets keep in mind reassessment requirements. While we can't eliminate all risk associated with hazard trees we can certainly raise our awareness and try to prevent the next tree strike injury.

Observe:

- Watch for transition zones where Spruce tree's dominate stand
- When assessing, look where the drip line of the outermost branches lays and look at the roots there.
- Watch for evidence of the root mat lifting during gusty winds
- Look out for areas that have had extensive ground fire
- Spruce trees may not show any stem or collar damage but are prone to fail at roots



Plan:

- Use your Site assessment overview as an opportunity to recognize problem areas rather than focus on individual trees.
- Brief crews of the exposure hazard- particularly if winds increase.
- Alternate your strategy and be prepared to allow areas with high volume of Spruce trees to burn out naturally.
- Use No Work Zones to reduce your exposure.
- Consider use of sprinklers or indirect hosing where viable

LOOK UP - LOOK DOWN. Recognize hazards and mitigate risk.

Make quality communications a priority. Communicate hazards, acknowledge messages, and, above all else, ask if you don't know.



Fire Behaviour Forecast

FIRE BEHAVIOUR FORECAST # 33			INCIDENT NAME:		SS052
ISSUED DATE:	ISSUED TIME:	PREDICTION DATE:	OPERATIONAL PERIOD:		PREPARED BY:
21/09/2023	17:00	22/09/2023	08:00 – 20:00		Matthew Coyle

WEATHER SUMMARY

Continued aggressive fire weather in the fire area.

Today – Max 26C, Min 27%, SLY 20-25G30-55 Moderate RH recovery overnight saw RH values peak at 70. Winds will be relatively calm in the morning but sustained winds will reach 20 by noon and gusts will gradually increase throughout the burning day until they peak at 55 around 2100. You can expect to see fire behaviour very similar to what was observed yesterday, with near cross-over conditions and strong winds during peak burn.

Saturday – Max 17, Min 53%, NE 10-15 Poor to moderate RH recovery again expected overnight, but RH values shouldn't have much of an opportunity to drop much lower than 50% with a cool moist air mass moving in from the N. No precip anticipated today but much calmer winds and cooler moister air will mean a significant reduction in fire behaviour potetnial.

Sunday – Max 15, Min 62%, NLY 10-15G25 2-4mm RH remains high overnight and is likely to remain high throughout the day as the fire area is likely to receive small amounts of precip throughout the day.

Monday – Max 12, Min 83%, WSW 15-20G35-40 3-5mm Cloud cover will be 100% all day today. Temps remain cool and RH high as the fire area is likely to see some more spits of precip in the afternoon. This may be the last precip received for a while, but cool moist conditions are expected to continue for the next week.

SPECIAL WEATHER BULLETIN: Strong Winds/Unusually Warm/Aggressive Fire Weather

Hay River Wx Station

Date	Temp	RH	WD	WS	Prec	FFMC	DMC	DC	ISI	BUI	FWI	
This Sept 21	Actual	16	44	209	9	0	88	72	773	7	116	26
Fri Sept 22	Forecast	23	35	180	25	0	90	75	779	16	121	46
Sat Sept 23	Forecast	16	55	45	14	0	88	76	784	7	123	26

Enterprise Wx Station

Date	Temp	RH	WD	WS	Prec	FFMC	DMC	DC	ISI	BUI	FWI	
Thu Sept 21	Actual	16	41	209	23	0	89	73	772	5	118	22
Fri Sept 22	Forecast	23	35	180	25	0	91	76	778	16	122	47
Sat Sept 23	Forecast	16	55	45	14	0	88	77	783	7	124	27

FIRE BEHAVIOUR GENERAL

Today: Continued aggressive fire behaviour potential today. Gusts should be less extreme than yesterday, but grass and conifer fuel types still have the potential to move very quickly under these conditions!

FIRE BEHAVIOUR SPECIFIC

The following information is based on; equilibrium fire spread at peak burn, constant forecast wind, flat topography, the absence of suppression action. **Hay River** wx used

<i>FBP Fuel Type</i>	<i>ROS – m/min (head)</i>	<i>Intensity Class (IC) & Fire Type</i>
O-1a (Matted grass 90% cured)	40	IC 5 – Surface Fire
C-2 (Boreal Spruce)	27	IC 6 – Continuous Crowning
M-2 50% (Boreal Mixedwood)	14	IC 6 – Continuous Crowning

UPDATED SPECIAL WEATHER STATEMENT FOR THE SOUTHERN NORTHWEST TERRITORIES
Including the South Slave, North Slave, Dehcho, and WBNP

Issued Thursday September 21, 2023
Valid: through Friday September 22, 2023

STRONG/VERY STRONG WINDS
EXTREME/AGGRESSIVE FIRE WEATHER
UNUSUALLY WARM CONDITIONS

Very aggressive and even extreme fire weather conditions are in store for the southern NWT over the next two days as a tight pressure gradient brings strong/very strong southerly winds to most areas. In addition to the ferocious wind field, a subsident westerly upper level flow pattern and a broad upper ridge will bring unusually warm and dry conditions to the area today and Friday. **Managers and personnel responsible for fires prone to the negative consequences of strong southerly winds should take special note of this bulletin.**

By Friday, temperature readings across the southern NWT will be around 14C above seasonal. **As a result, fire-fighting conditions during the peak of the burning day will more closely resemble those experienced during a windy and dry day in July as opposed to conditions typically expected in late September. Windy conditions at night will truncate RH recovery in many zones. Caution.**

South Slave Region, including SS052/SS069 and WBNP

Strong winds, SLY 20G40-45, and RH values near 30% will bring highly aggressive fire weather conditions to the South Slave/WBNP area today. Caution. There is even a risk that readings will dip closer to 25% in some areas today. Caution.

It is noted that a band of very strong upper level winds will move across the SS069 area and WBNP early this afternoon, bringing a **risk of very strong gusts of 50-55km/h to the zone. Caution.**

Suppression crews are advised to monitor weather and fire behavior conditions closely today for potential low RH readings and possible cross-over. Crews at SS069 and WBNP should be particularly aware of the potential for extreme wind gusts this afternoon.

A mild and dry night is expected across the area tonight. **Winds will ease to around SLY 10-15G15-25, with locally moderate RH recoveries of 60% likely in some areas. There will be a risk of poor RH recovery over higher terrain.**

Very aggressive or even extreme fire weather conditions are anticipated through the zone Friday. Very gusty winds, SLY 15-20G35-45, are now expected to hold across the South Slave region on Friday, with winds easing somewhat over WBNP. Temperature values will trend a couple of degrees higher than today's readings, trending into the mid-twenties (12-14C above seasonal), with RH values slumping to near 25% in many areas. **Cross-over or near cross-over is likely through a wide-swath of the area Friday. Caution.**

This bulletin is being issued to alert personnel to the development of strong/very winds across the southern NWT and WBNP Today and Friday, along with aggressive or even extreme fire weather conditions. These conditions will be accompanied by unusually warm conditions across the zone. Truncated RH recovery is expected in some areas tonight. **For many zones, fire-fighting conditions today and Friday will be similar to those during the peak of the fire season as opposed to late September.**

Crews on the ground and other personnel in the affected areas are advised to carefully consider the implications of this bulletin to ensure safe operational practices.

This bulletin will be updated with the latest information on Friday.

ICS  Medical Plan (ICS 206)		SS052-23				
ICP Location		W 60°47.202 N 115°49.317				
MEDICAL AID STATION	LOCATION	Contact Number	Paramedics			
			Yes	No		
Paramedic Travis	Airport	780-222-0690	x			
Hospital Name	Address (Include UTM or Lat/Long of Helipad)	HOSPITALS		Phone	Helipad	Burn Unit
		Travel Time Air	Travel Time Ground			
Hay River Regional Health Centre	N 60°48.097 W115°48.414	10	45	867-875-7993	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TRANSPORTATION						
Name	Location	Freq.	Level of Serv			
			ALS	BLS		
Medivac (FJY) & Paramedic	Airport	Channel 6		X		
Hay River Ambulance	73 Woodland Drive	EMS		X		
MEDICAL PROCEDURES						
<p>For any illness or injury that is not critical, radio to your Division Supervisor or Operations Chief and identify the nature of injury. Relay to them if a helicopter or vehicle is required to take the individual to a medic for assessment or to the ICP to be transported to the hospital.</p> <p>If the illness or injury appears critical and requires medical assistance to move the patient safely, call the Division Supervisor or Operations Chief and request a medivac. Do not move the patient and the Medic will be flown into the location. If the decision is made to transport the patient directly to the hospital, notify the radio operator and transport the patient to the Hay River Health Center.</p> <p>AOBD is to ensure medivac machine is ready, the Safety Officer and/or the IC are to communicate the incident to the Hay River Duty Officer who will notify the hospital of the incoming patient.</p> <p>Primary Medivac Machine will be FJY Bell 205.</p> <p>For after hour emergency contacts, please contact SOF Greg Riley (705-943-0236) or IC Bob Hurley (705-457-0184)</p>						
<p>After hour Emergencies contact 911. All other medical incidents contact medics – see posters at camp.</p>						
<p>Approved by Fire Safety Officer: Greg Riley</p>						

ICS  Aerial Operations (ICS 220)			Date/Operational Period: 09/22/2023 0800-2000			SS052-23		
SUNRISE: 07:27 MDT			SUNSET: 19:43 MDT					
Remarks: Ensure crews have been briefed on your helicopter. Remember this fire is a marathon, not a sprint.								
Medivac Aircraft: FJY				Medivac Crew:				
Reg.	TYPE	Start Time	Remarks	Base	Pilot/Engineer		Phone Number Pilot/Engineer	
G-SHG	B205		Medium	HY	Mac Priestly/Elliot Hammond		985-974-5266/ 825-561-4278	
F-FJY	B205		Medium – Medivac	HY	Gilmer Diaz /Elliot Hammond		+51 940-206-084 (Whatsapp)	
G-UWX	B212		Medium- Buckets	HY	Ingemar Dalen/Ken Scheer		778-585-8577/ 205-505-2806	
F-PMR	212		Medium	HY	Scott Davidson/Willbert Romero		902-809-8292/ 403-608-2687	
F-CNU	B212		Medium	HY	Brian Halpert/ George DW		403-845-9198/ 604-365-9122	
G-TNK	206	U/S	Light	HY	Bruce Larsen		778-989-0038	
F-NOU	212		Medium	HY	Landon Bayda/Tyler Hitchmough		825-437-4585/ 587-566-6048	
G-CHH	A-Star		Intermediate	HY	Thomas Otto		604-399-4443	



Incident Radio Communications Plan (ICS 205-WF)

1. INCIDENT NAME		2. OPERATIONAL PERIOD	Date From:	09/22/2023	Date To:	09/22/2023
SS052-23			Time From:	8:00	Time To:	20:00
3. BASIC RADIO CHANNEL UTILIZATION						
System/Type	Channel	Function	(Rx/Tx) Frequency	Tone	Assignment	Remarks
Simplex	1	Ground to Ground	153.11			
Simplex	6	Ground to Air	153.89			
Duplex	7	Ground to Air	153.890/154.950			
			122.05			
Simplex	5	Ignition	153.47			
Structural						
Fire Duplex		Fire	153.800/158.780			
Ambulance		EMS	153.800/158.790			
EMO Hay River		Contractor Comms	148.015/143.025			
LADD		Contractor Comms	154.1			
4. PREPARED BY	Position:	Service Branch Director		Name:		

ICS 	Division Assignments	Date/Operational Period:		SS052-23
		09/22/2023	08:00-20:00	
DIVISION: ALPHA	DIVISION SUPERVISOR:		CHANNEL: 1	
RESOURCES/PERSONNEL				
Identifier	Leader	# of persons	Contact	Remarks
WORK ASSIGNMENTS				
Area to be monitored.				
SPECIAL INSTRUCTIONS				
Resources will be assigned as needed.				

ICS 	Division Assignments	Date/Operational Period:		SS052-23
		09/22/2023	08:00-20:00	
DIVISION: Bravo – 1	DIVISION SUPERVISOR: Mike Tsetso/Brendan Hadju		CHANNEL: 1	
RESOURCES/PERSONNEL				
Identifier	Leader	# of persons	Contact	Remarks
C-333k	Cardoso	5	204-430-7515	Demob all remaining gear out of B1
SS13	J.Dixon	4	867-875-7714	Demob all remaining gear out of B1
WORK ASSIGNMENTS				
FJY- bucket machine.				
SPECIAL INSTRUCTIONS				
Scan will determine if additional work is needed.				

ICS 	Division Assignments	Date/Operational Period:		SS052-23
		09/22/2023	08:00-20:00	
DIVISION: BRAVO – 2	DIVISION SUPERVISOR: Mike Tsetso/Brendan Hadju		CHANNEL: 1	
RESOURCES/PERSONNEL				
Identifier	Leader	# of persons	Contact	Remarks
WORK ASSIGNMENTS				
Monitor division.				
SPECIAL INSTRUCTIONS				

ICS 	Division Assignments	Date/Operational Period:		SS052-23
		09/22/2023	08:00-20:00	
DIVISION: Bravo - 3	DIVISION SUPERVISOR: Mike Tsetso/Brendan Hadju		CHANNEL: 1	
RESOURCES/PERSONNEL				
Identifier	Leader	# of persons	Contact	Remarks
WORK ASSIGNMENTS				
Monitor division.				
SPECIAL INSTRUCTIONS				
Resources to be assigned as needed.				

ICS 	Division Assignments	Date/Operational Period:		SS052-23
		09/22/2023	08:00-20:00	
DIVISION: Bravo - 4	DIVISION SUPERVISOR: Mike Tsetso/Brendan Hadju		CHANNEL: 1	
RESOURCES/PERSONNEL				
Identifier	Leader	# of persons	Contact	Remarks
WORK ASSIGNMENTS				
Monitor division.				
SPECIAL INSTRUCTIONS				
Crews will move outwards from current hotspots to coldtrail surrounding areas.				

ICS 	Division Assignments	Date/Operational Period:		SS052-23
		09/22/2023	08:00-20:00	
DIVISION: Bravo - 5	DIVISION SUPERVISOR: Mike Tsetso/Brendan Hadju		CHANNEL: 1	
RESOURCES/PERSONNEL				
Identifier	Leader	# of persons	Contact	Remarks
Dehcho 1	Isaiah	3	867-695-1781	Continue to blackline around Paradise and patrol
SS14	Minoza	4	867-373-0602	Continue to blackline around Paradise and patrol
Water Truck Tender	Harry	1	867-875-0178	GNWT
WORK ASSIGNMENTS				
SPECIAL INSTRUCTIONS				

 Division Assignments		Date/Operational Period:		SS052-23
		09/22/2023	08:00-20:00	
DIVISION: Charlie-South		DIVISION SUPERVISOR: Andrew Skingle		CHANNEL: 1
RESOURCES/PERSONNEL				
Identifier	Leader	# of persons	Contact	Remarks
TFLD	Scott King	1	867-376-0055	
SS12	J. Simon	4	867-876-0666	Working with Marookas to extinguish along the guard north of hwy 5 heading towards the lake.
C-333p	Fitzmaurice	5	431-373-5924	Two members to continue hotspotting with Artco off the guard on the South side of hwy. Three members to continue putting in hose and extinguishing hot areas near the values on Sandy Creek.
Branch Director	Neil Walton	1	867-875-7538	
Water Truck	Greg Martel	1	867-875-7784	Moonlight
Water truck	Dan	1		Carters
Cat 8 750JD	Dave Felker	1	866-875-8246	Raine Trucking
Cat 3	Jett Paterson	1	867-876-0808	Carters
Cat 1 D6T	Devin Fraser	1	867-446-2800	Moonlight
Artco WT	Michael Perron	1	780-625-5924	Carters
Water tender	Ryan Patterson	1	867-875-8390	Raine Trucking
Mulcher 1	Mark Bruneau	1	780-228-9845	Brave Adventures
Mulcher 2	Joey Gunn	1	709-351-6628	Brave Adventures
CAT D6	Andreas Robichard-Vogt	1	867-872-8311	Ft.Sm Construction
CAT D6	Kelly Weatherall	1	867-621-7243	Ft.Sm Construction
D6N	Jason Griffiths	1	867-875-2580	Continue finishing catguard
CAT	Brayden Mulder	1	867-688-2516	BMC
CAT D6	Theron Karnes	1	780-598-9835	DWL
CAT	Tyler Villiburn	1	867-688-2516	13 mile Auto body
Marooka 2	John Krahan	1	780-918-4401	Green-zone Environmental
Marooka 1	Glendon	1	780-926-9232	Green-zone Environmental
HEGS	Rafe Smith	1	867-875-7567	
Cat 6	Gord Heron	1	867-875-8549	Rowes
Cat 4	Tyler Bonnetrouge	1	867-373-0407	Rowes
Hagglund 2	Clell Cook Jr.	1	867-875-7715	Maskwa
Hagglund 1	Clell Crook Sr.	1	867-875-7063	EMR Trained and Equiped. Maskwa
WORK ASSIGNMENTS				
Cat guard 3 ATV's & 1 SxS				

 Division Assignments	Date/Operational Period:		SS052-23	
	09/22/2023	08:00-20:00		
DIVISION: Charlie -North	Division Supervisor: Kyle Kras		CHANNEL:1	
RESOURCES/PERSONNEL				
Identifier	Leader	# of persons	Contact	Remarks
C-333f	Glover	4	431-373-6061	Working hot areas on cat guard
C-333i	Vosters	5	204-513-0491	Work spotfires West of Creek
Sherp	Tyler Peterson	1	867-876-0706	Rowes (U/S)
Nodwell	Justin Morais	1	506-961-3762	TBA
WORK ASSIGNMENTS				
Nodwell to transport crews and patrol/extinguish catguard.				
SPECIAL INSTRUCTIONS				
60 km speed limit on gravel road 50 km speed limit past gate on lake shore gravel road				

SS052-23

Date: 2023-09-21

Time: 4:53:29 PM

Size: 507,306 Ha

Perimeter update:
2023-09-21 16:00

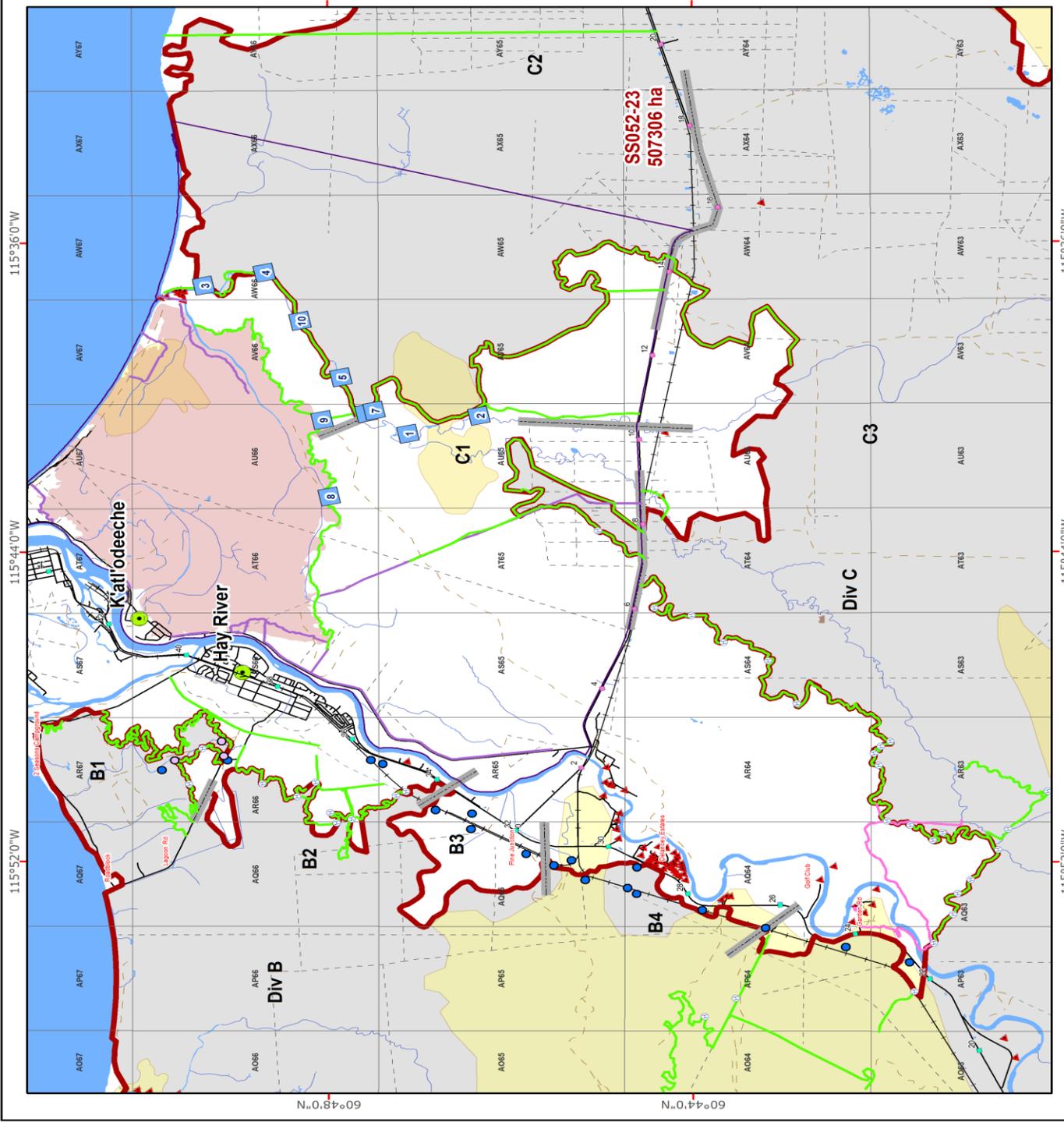
- 1980 and earlier
- 1981-1985
- 2016-2022

- Hwy 2 markers
- Hwy 5 markers
- Div C1/C2 Pads
- Div B1 Pumps
- Water sources
- Helipads
- Catguards
- Access Route
- Road
- SS005 Catguards
- Fire Perimeter
- KFN
- Community
- Value at Risk
- Division Breaks
- SS005
- Trails
- Cutlines
- Railway
- Rivers & Streams
- Lakes

5 Km Grid
(reprojected)
Projection:
Albers Equal Area

1:80,000

Note: This is not a legal document
Map Author: Kathleen Groenewegen
Email: kathleen.groenewegen@gov.nt.ca



SS052-23

Date: 2023-09-21
Time: 4:53:19 PM
Size: 507,306 Ha

Perimeter update:
2023-09-21 16:00

- Hwy 2 markers
- Hwy 5 markers
- Hwy 1 markers
- All-Weather Road
- Winter Road
- Catguards
- Access Route
- KFN
- Fire Perimeter
- Community
- Value at Risk
- Division Breaks
- SS005
- Rivers & Streams
- Railway
- Trails
- Lakes
- National or Territorial Parks

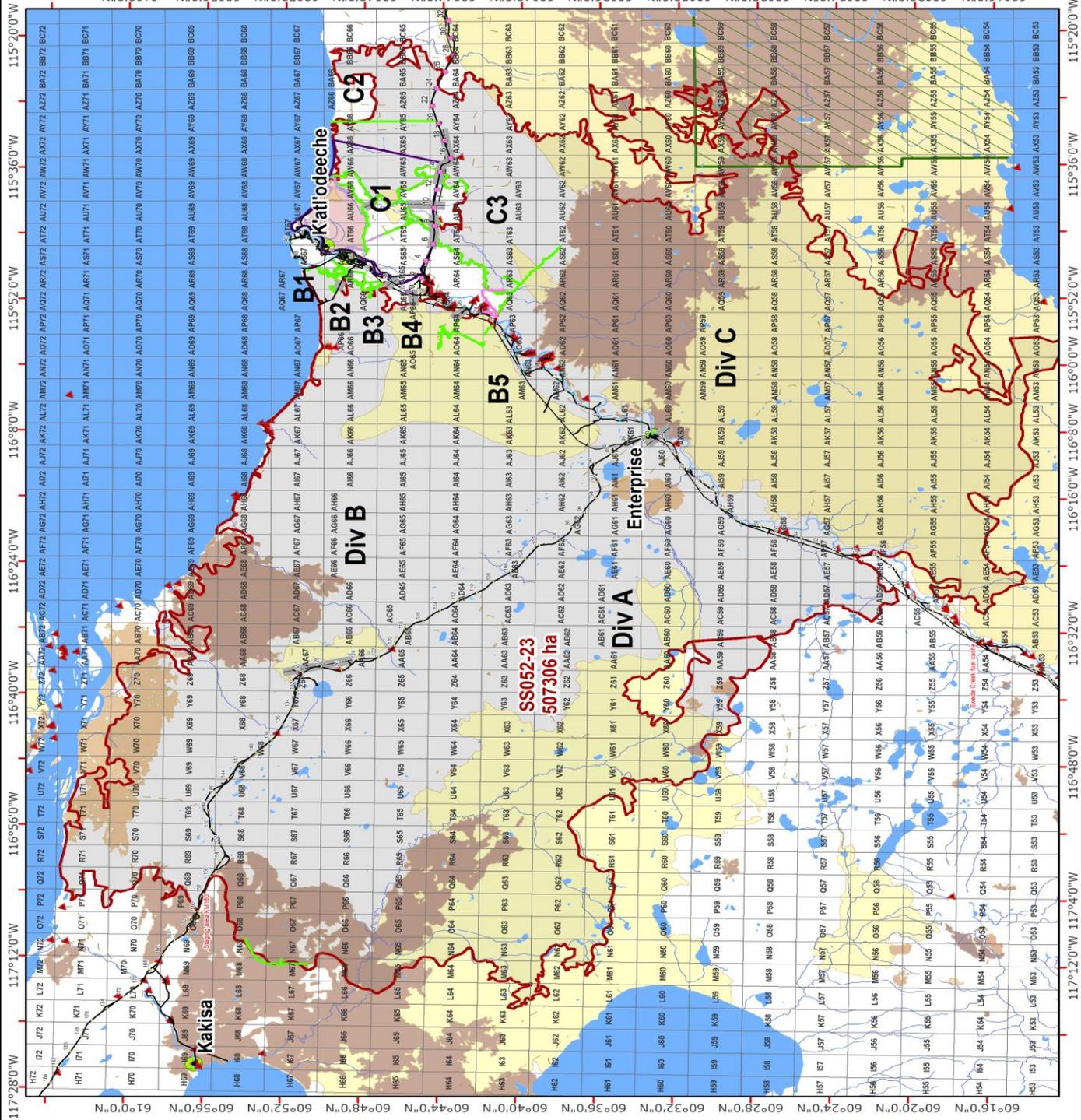
5 Km Grid
(reprojected)

Projection:
Albers Equal Area

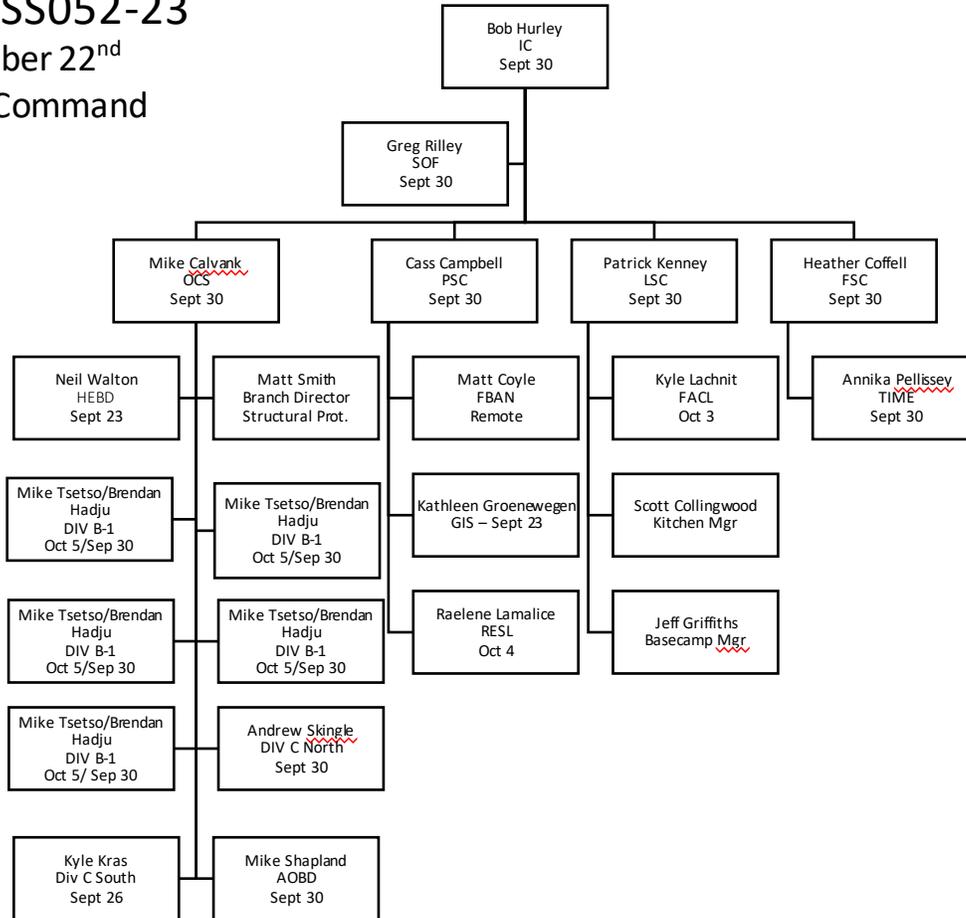


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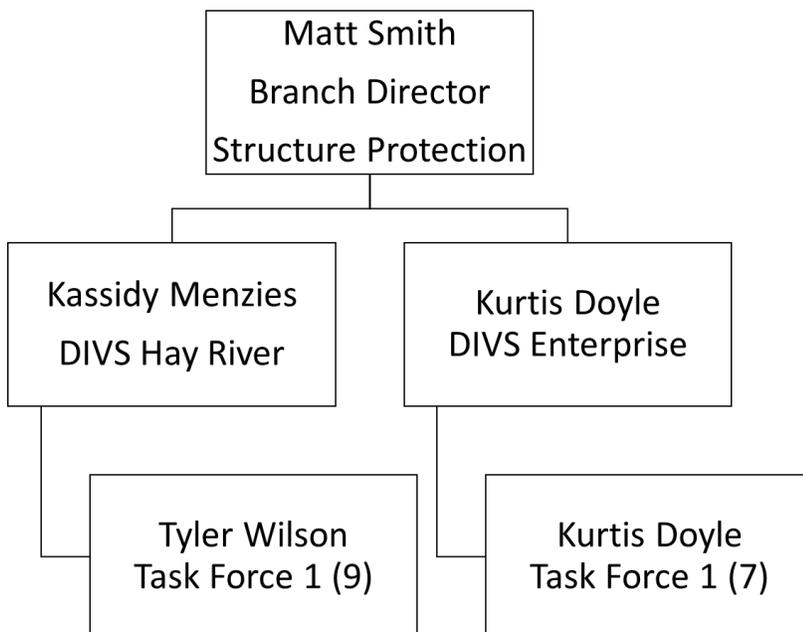
Note: This is not a legal document
Map Author: Kathleen Groenewegen
Email: kathleen.groenewegen@gov.nt.ca

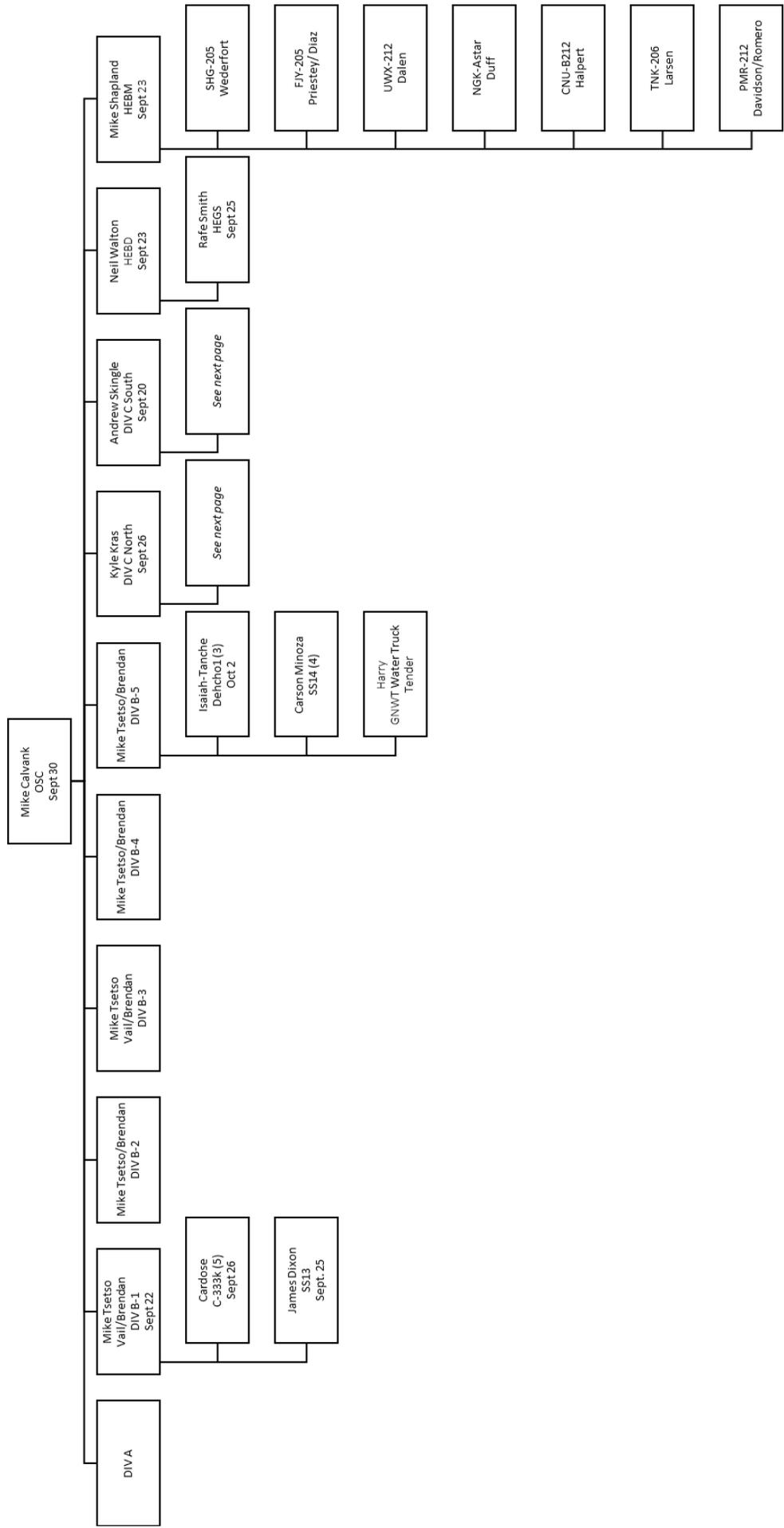


Incident: SS052-23
 September 22nd
 Wildfire Command



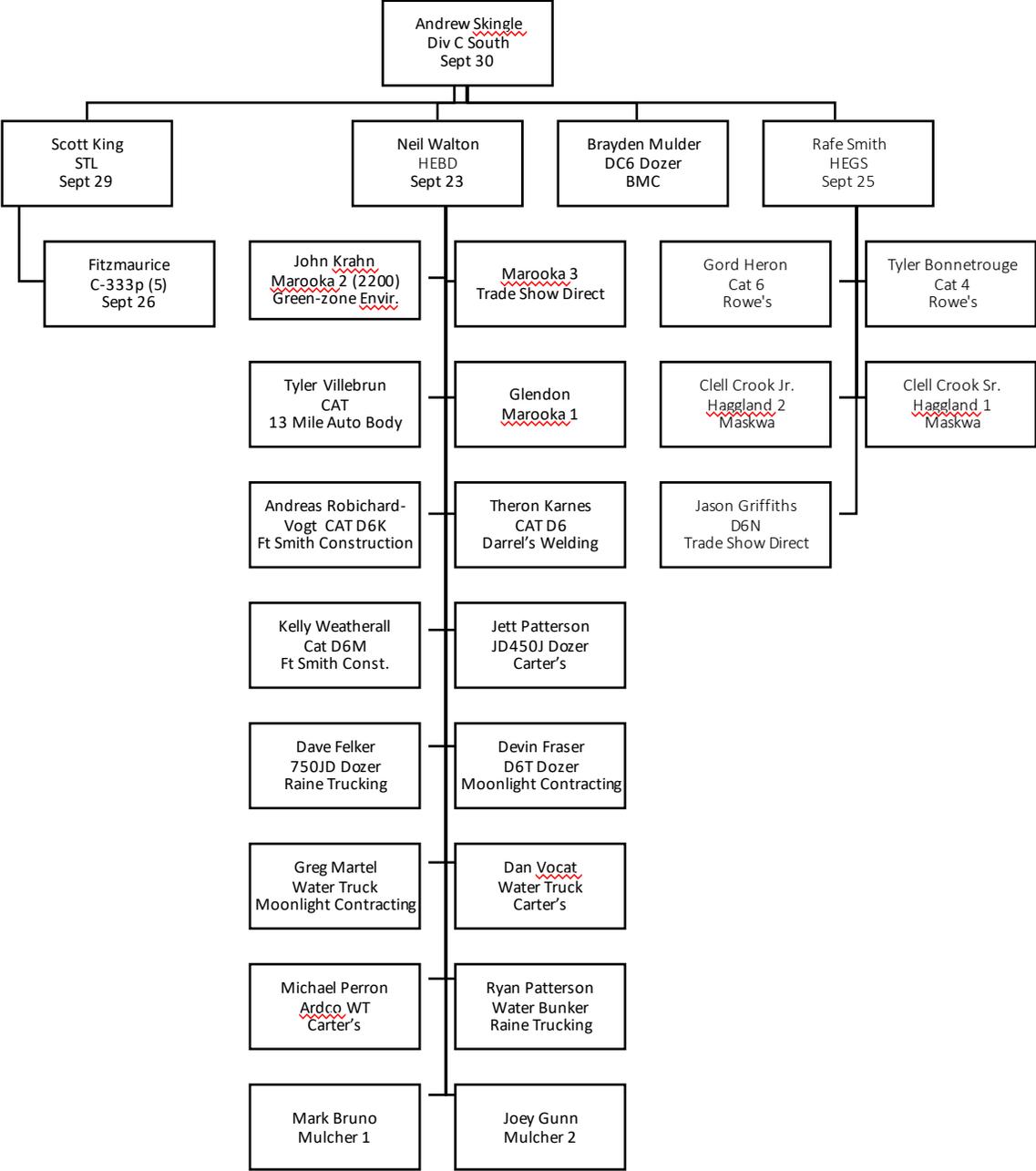
Incident: SS052-23
 September 22nd
 Wildfire Command



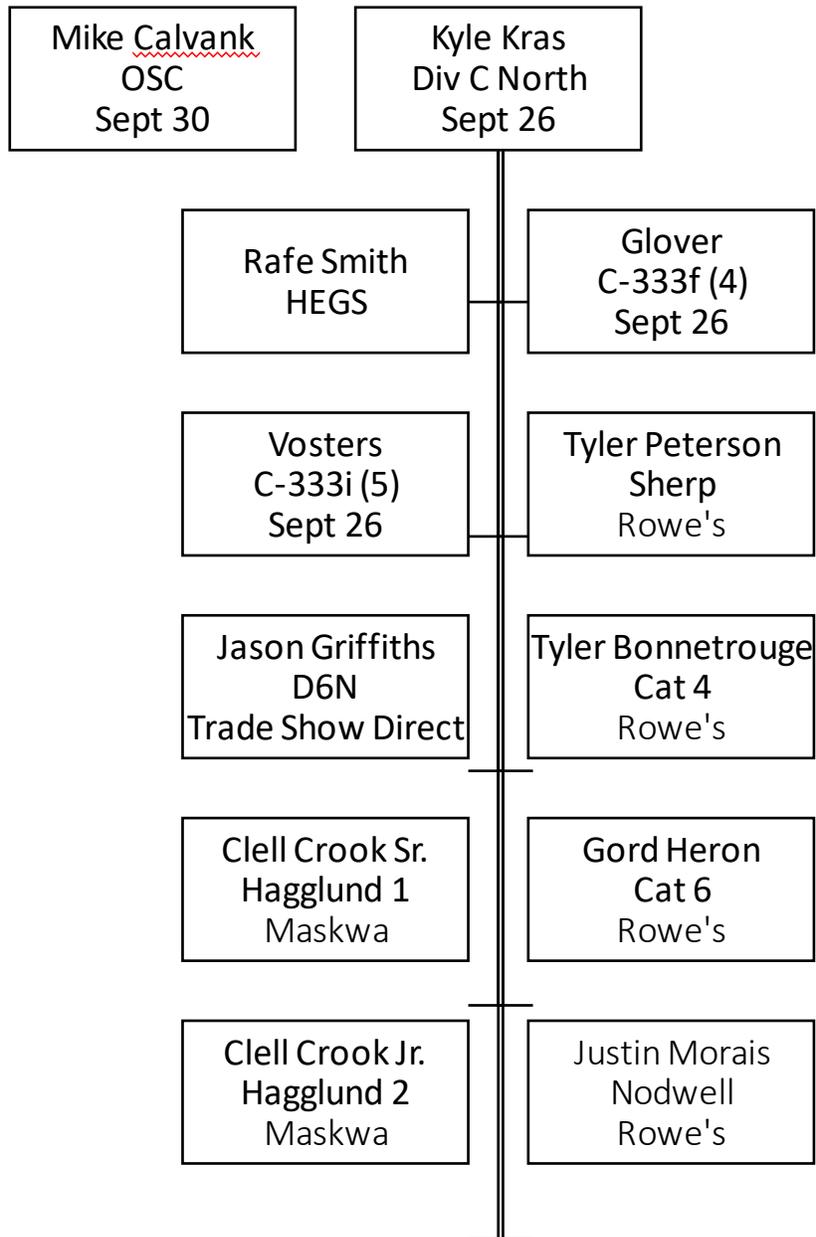


Incident: SS052
September 22nd
Operations

Incident: SS052
 September 22nd
 Div C South



Incident: SS052
September 22nd
Division DIV C North



QR Code for Maps via Dropbox

Last Updated September 20th



IR Hotspots maps provided by Hummingbird can be found in the dropbox.

GPS mapping data (Perimeter tracks, CAT Guards, Helipads, etc.) are to go through **Kathleen Groenewegen**
867-875-8310
Kathleen_Groenewegen@gov.nt.ca

Ensure mapping requests are in by 1700 to allow for production time.