

Incident Number H2012-00140	SAR Name Makkovik	Classification/Category HI	Date 30Jan2012 1309Z
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**JRCC Halifax**

s.19(1)

**Incident Description**

Alert By:	Situation: Missing Person(s)
Alert Via: OTHER	Primary Action: Search
Alert Time: 30Jan2012 1309Z	Cause: OTHER
Object Sighted:	<u>Lives</u>
Complete(end) at: 02/05/12 10:50:20	POB: 1
Location: Makkovik Labrador	Assisted: 0
Prov/State:	Saved: 0
Latitude: 55° 09.26' N	Missing: 1
Longitude: 59° 02.41' W	Lost: 0
LKP Latitude:	
LKP Longitude:	Initial Class: HI - Humanitarian - Distress
LKP DTG:	Final Class: HI - Humanitarian - Distress
Distance from shore: 0.2 NM	SAR Area: 060 - Labrador

**Incident Summary**

NFLD EMO called requesting assistance in the search for a 14 YOM who ran away from home yesterday. Aurora and Griffon conducted night searches. The snowmobile was located and the surrounding area thoroughly searched but no sign of the search object. Further daytime air search was conducted by Province using CASARA spotters and charter aircraft. Search object subsequently located by RCMP, deceased, 19 km from where skidoo was found.

**Critical Factors/Anomalies**

**Controllers on Incident**

BELCOURTA	BILLARDD	BURGWINS	CAMEROND
CREWEK	FLEMMINGK	GLOVERC	GRAHAMT
HARRISONJ	ISAACST	JARVISW	MACDONALDC
MACDONALDK	MACLEANA	MCFADGENR	PARKERJ
SNIDERT	SPERRYW		

**Attachments**

Name	From	Modified	Added
rscu440.jpg	www.dnd.ca/airforce	31DEC-4714 0000Z	01FEB2012 0019Z
survival model.txt	CESM	31DEC-4714 0000Z	01FEB2012 0028Z
ice charts 29 and 30.pdf	MRSC N	31DEC-4714 0000Z	01FEB2012 0205Z
2ndary sar briefing form 444sqn rscu40, not signed.	Assistant Air Coord	31DEC-4714 0000Z	31JAN2012 2144Z
alr40shoreline.doc	KC	31DEC-4714 0000Z	31JAN2012 2144Z
ice chart lab coast 311800.pdf	Canadian Ice Service	31DEC-4714 0000Z	31JAN2012 2328Z
tasking 444 sqn to assist with search.msg	JRCCHalifax@JRCC@Halifax	31DEC-4714 0000Z	01FEB2012 0156Z
re tasking 444 sqn to assist with search.msg	Ali.Laaouan@forces.gc.ca	31DEC-4714 0000Z	01FEB2012 0157Z
5 wg sec sar tasking - case no. 0140.msg	AOCDWO@forces.gc.ca	31DEC-4714 0000Z	01FEB2012 0157Z
new tasking cp140113.msg	ANDREW.MERCER@forces.gc.c	31DEC-4714 0000Z	01FEB2012 0202Z
sar makkovik update.msg	JRCCHalifax@JRCC@Halifax	31DEC-4714 0000Z	01FEB2012 0434Z
cp140 sec sar tasking 31 jan 2012.msg	AOCDWO@forces.gc.ca	31DEC-4714 0000Z	01FEB2012 0436Z
tasking 444 sqn to assist with search(1).msg	JRCCHalifax@JRCC@Halifax	31DEC-4714 0000Z	01FEB2012 0439Z
sar makkovik final update.pdf	JRCCHalifax@JRCC@Halifax	31DEC-4714 0000Z	01FEB2012 1206Z
fwd missing person - makkovik.msg	Felicity Ryan	31DEC-4714 0000Z	01FEB2012 2348Z
fw coordinates.msg		31DEC-4714 0000Z	03FEB2012 1307Z

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**Weather**

Sky: Overcast, Snow	Humidity: %
Observation Time: 30Jan2012 1322Z	Altimeter:
Location: Makkovik	Visibility: 0.9 nm
Source: Nav Canada	Clouds:
Position: 30 Jan 12	Ice:
Ceiling: ft	Wave Swell Height: m
Wind Direction: 110 °T	Water Temperature: °C
Wind Speed: 4 kts	Tide State:
Air temp: -5 °C	Against Current: Unknown

Sky: Snow, DRSN	Humidity: %
Observation Time: 31Jan2012 2055Z	Altimeter:
Location: Makkovik	Visibility: 13.0 nm
Source: Nav Canada	Clouds:
Position: 31 Jan 12	Ice:
Ceiling: ft	Wave Swell Height: m
Wind Direction: 270 °T	Water Temperature: °C
Wind Speed: 13 kts	Tide State:
Air temp: -18 °C	Against Current: Unknown

**Details on Unit Assisted**

**General**

Name:	Registration:
Call Sign:	Nationality:
Make/Model:	

**Marine**

Lloyd's #:	Color	Hull:
MMSI:		House:
Gross Tonnage:		Deck:
Length:		Trim:
Draught:		

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Air

Registration/Tail: Pilot Name:  
 Call Sign: License #:  
 Aircraft Type: Equipment  
 Make/Model: Survival:  
 Gear:  
 No. of Engines: Dinghies: Number: Capacity:  
 Color  
 Primary: Signalling:  
 Secondary: Comms:  
 Markings: Nav:

ELT

Attached Composites:

Attached Elementals:

Owner/Operator

Name: Address:  
 Gender: City:  
 DOB: Prov/State:  
 Tel: Country:  
 Fax:

Owner/Operator

Name: Address:  
 Gender: City:  
 DOB: Prov/State:  
 Tel: Country:  
 Fax:

**Routing**

Flight Plan: Wind: kts °T  
 Filed By: Cruise Speed: kts  
 Contact no.: Fuel On Board: HH:mm  
 Alternate: Fuel Exhaust: HH:mm  
 Route:

LKP	Arrive DTG	Waypoint Name	Depart DTG	Latitude	Longitude	Contact#
N						

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**POB**

#	Name	Age	Position	Gender	Status	
					Tracking	Final
1						
DOB:		Address:				
Nationality:		City:				
NOK Name:		Prov/State:			Postal:	
Telephone:		Country:			Tel:	
<b>Medevac Details</b>						
RadioMedico Physician:			Physician Tel:			
Origin Hospital:						
Destination Hospital:						
Course:			Speed:			
Diagnosis Details:						
Medical Requirements:						

**SRU**

#	Agency	Name	Type	Stdby Post.	NM to Incident	Depart	On	Off	Complete	Transit	Scrhd	Total
1	CF - AIR (NON SAR)	GRIF 440	HELICOPTER	N/A	120.46	31Jan 2337Z	01Feb 0045Z	01Feb 0203Z	01Feb 0203Z	1.1	1.3	2.4
1	CF - AIR (NON SAR)	GRIF 440	HELICOPTER	N/A	120.46	01Feb 0320Z	01Feb 0320Z	01Feb 0505Z	01Feb 0505Z	0.0	1.8	1.8
1	CF - AIR (NON SAR)	GRIF 440	HELICOPTER	N/A	120.46	01Feb 0538Z			01Feb 0658Z	1.3	0.0	1.3
1	CF - AIR (NON SAR)	AUR 113	Aircraft - CF	N/A	235.90	01Feb 0248Z	01Feb 0342Z	01Feb 0500Z	01Feb 0831Z	4.4	1.3	5.7
Agency Totals										6.9	4.4	11.2
Grand Totals										6.9	4.4	11.2

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Exhibit P-038

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A0343238\_5-000005

**Contacts**

General Agency	Person	Telephone	Fax/Comment
	EMO		
RCMP	Cpl Kimbel Vardy	(709) 923-2317	
444	Maj Elliot	709 896-1637	
444	Capt Gillis	709-896-6900 ext 7	
Goose Bay Ops	MCC	709-896-6900 ext 7	FAX: 709-896-6978
Woodwards Fuel			
CANCOM OPS	Maj Mathews	613-945-2702	

**Owner/Operator**

Unit Type: Air

Owner/Operator

Relationship

Telephone

Fax/Telex

Address

City

Province

Region

Owner Type

Postal Code

Country

Incident #H2012-00140

Contacts

Owner/Operator	
Unit Type: Marine	
Owner/Operator	
Relationship	
Telephone	
Fax/Telex	
Address	
City	
Province	
Region	Postal Code
Owner Type	Country

07FEB2012 1602Z

# Weather

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Report 1 of 2

- Clear Skies
- Partly Cloudy
- Overcast
- Fog/Mist
- Smog
- Squall
- Rain
- Freezing Rain
- Hail
- Snow
- Unknown
- Other

Time Observation   
Weather Location   
Weather Source   
Position   
Comments  
MAKKOVIK/NL  
METAR CYFT 301300Z 11004KT 1SM -SN OVC006 M05/M06  
A2941 RMK SC7  
SLP967=  
METAR CYFT 301200Z 00000KT 5/8SM -SN OVC005  
M05/M06 A2942 RMK SC8  
SLP968=  
METAR CYFT 301100Z 00000KT 1SM -SN OVC006 M05/M06  
A2942 RMK SC8  
SLP968=

Ceiling  ft.  
Wind Direction  °T  
Wind Speed  kts  
Air Temperature  °C  °F  
Humidity  %  
Altimeter   
Visibility  nm  sm  
Clouds  
Ice  
Tide State   
Wave Swell Height  m  ft.  
Water Temperature  °C  °F  
Against Current

# Weather

Incident # H2012-00140

Report 2 of 2

- Clear Skies
- Partly Cloudy
- Overcast
- Fog/Mist
- Smog
- Squall
- Rain
- Freezing Rain
- Hail
- Snow
- Unknown
- Other

Time Observation   
Weather Location   
Weather Source   
Position

Comments  
MAKKOVIK/NL  
METAR CYFT 312000Z 27013KT 15SM DRSN FEW220  
M18/M22 A2977 RMK C11  
SLP090=  
METAR CYFT 311900Z 27015KT 15SM DRSN FEW220  
M17/M21 A2975 RMK C11  
SLP082=  
METAR CYFT 311800Z 27017KT 15SM DRSN SCT220  
M17/M21 A2974 RMK C12  
SLP079=

CYFT - No TAF is issued for this station

Ceiling  ft.  
Wind Direction  °T  
Wind Speed  kts  
Air Temperature  °C  °F  
Humidity  %  
Altimeter   
Visibility  nm  sm  
Clouds  
Ice  
Tide State   
Wave Swell Height  m  ft.  
Water Temperature  °C  °F  
Against Current



**SRU**

**Incident # H2012-00140**

**SRU Name: GRIF 440 444**

Agency	Resource	Time Paged	Time Tasked	Time Released	ETA	Action	
CF - AIR (NON SAR)	444 Sqn	31JAN2012 2133Z	31JAN2012 2133Z	01FEB2012 0658Z		Search	
GIS Symbol:	Griffon	SRU Type:	HÉLICOPTÈRE CH146 C	Latitude:	53° 19.32' N	Longitude:	60° 25.62' W
SAR Posture:	N/A	Object Sighted:		Towing Time (hh:mm):	000:00	NM To Incident:	120.46
Distance Escorted (NM):	0.0	Distance Towed (NM):	0.0	Detection Method:			
SRU Specific Remarks: Leg#1 CYR-LKP-MAKKOVIK Leg#2 MAKKOVIK-ON SCENE- MAKKOVIK Leg#3 MAKKOVIK-CYR							

**Sortie Information**

Sortie #	Depart	On Scene	Off Scene	Sortie Ended	# POB Rec.	Transit	SAR	Total
423335	31JAN2012 2337Z	01FEB2012 0045Z	01FEB2012 0203Z	01FEB2012 0203Z		1.1	1.3	2.4
423337	01FEB2012 0320Z	01FEB2012 0320Z	01FEB2012 0505Z	01FEB2012 0505Z		0.0	1.8	1.8
423339	01FEB2012 0538Z			01FEB2012 0658Z		1.3	0.0	1.3
<b>Totals</b>						<b>2.4</b>	<b>3.1</b>	<b>5.5</b>

**Briefing Information**

Sortie #: Search Type: Altitude: Track Spacing:  
Notes:

**Debriefing Information**

Sortie #: Search Type: Altitude: Track Spacing:  
Notes:

**SRU**

**Incident # H2012-00140**

**SRU Name: AUR 113 405**

Agency	Resource	Time Paged	Time Tasked	Time Released	ETA	Action
CF - AIR (NON SAR)	405 Sqn		01FEB2012 0248Z	01FEB2012 0831Z		Search
GIS Symbol:		SRU Type: Aircraft - CF		Latitude: 51° 24.22' N		Longitude: 57° 6.25' W
SAR Posture: N/A		Object Sighted:		Towing Time (hr:mm): 000:00		NM To Incident: 235.90
Distance Escorted (NM): 0.0		Distance Towed (NM): 0.0		Detection Method:		
SRU Specific Remarks: Airborne in Straits of Belle Isle when tasked.						

**Sortie Information**

Sortie #	Depart	On Scene	Off Scene	Sortie Ended	# POB Rec.	Transit	SAR	Total
423336	01FEB2012 0248Z	01FEB2012 0342Z	01FEB2012 0500Z	01FEB2012 0831Z		4.4	1.3	5.7
<b>Totals</b>						<b>4.4</b>	<b>1.3</b>	<b>5.7</b>

**Briefing Information**

Sortie #: Search Type: Altitude: Track Spacing:  
Notes:

**Debriefing Information**

Sortie #: Search Type: Altitude: Track Spacing:  
Notes:

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**Humanitarian**

**Details**

Nature of Request  Missing Person

Approving Authority

LF  OIC  RSMS  EMO  AOC

POB Outcome

POB  1  
 Assisted  0  
 Saved  0  
 Missing  1  
 Lost  0

Situation  
 RCMP Makkovik looking for a missing 14 YOM. Departed on a skidoon

**Incident Contacts**

Name	Agency	Phone
EMO		
Cpl Kimbel Vardy	RCMP	(709) 923-2317
Maj Elliot	444	709 896-1637
Capt Gillis	444	709-896-6900 ext 759
MCC	Goose Bay Ops	709-896-6900 ext 733
Maj Mathews	Woodwards Fuel CANCOM OPS	613-945-2702

**SRU**

Type	Resource Name	Dist.	Page	Task	Depart	On Scene	Off Scene	Completed	Total Hrs.
HELICOPTÈRE CH146 Griffon	GRIF 440 444	120	31JAN2012 2133Z	31JAN2012 2133Z	31JAN2012 2337Z	01FEB2012 0045Z	01FEB2012 0203Z	01FEB2012 0203Z	2.4

Humanitarian Incident # H2012-00140

Weather		Max wave/swell height (m)		Wind Dir. (°)		Speed (kts)		Against Current		Vis. (M)		Tide State																		
Clear	<input type="checkbox"/>	Partly Cloudy	<input type="checkbox"/>	Overcast	<input checked="" type="checkbox"/>	Fog/Mist	<input type="checkbox"/>	Smog	<input type="checkbox"/>	Squall	<input type="checkbox"/>	Rain	<input type="checkbox"/>	Freezing Rain	<input type="checkbox"/>	Hail	<input type="checkbox"/>	Snow	<input checked="" type="checkbox"/>	Unknown	<input type="checkbox"/>	Other	<input type="checkbox"/>	Clouds	<input type="checkbox"/>	0	Air Temp. (°C)	-5	Ice	<input type="checkbox"/>
Location		Makkovik		Source		Navy Canada		Time Observed		30 JAN 2012 1322Z																				

Incident Log

Criteria: : Incident H2012-00140

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30JAN2012 1309Z

MCFADGENR

Incident H2012-00140 CREATED by MCFADGENR@SN-WP-OPHOST04 at 30JAN2012 1309Z.

30JAN2012 1312Z

MACDONALDC

NFLD EMO=

Requesting our assistance in the search for a 14 YOM who left on his skidoo

He left and has not returned

They have searched the community and can not locate him

On Scene Cpl Kimbel Vardy (709) 923-2317

weather in the area will not permit launch of local helo or aircraft [contact="EMO " tel.="' ]

I will discuss with OIC and get back to EMO

30JAN2012 1318Z

MACDONALDC

NTF

Discussed with OIC and based on no serv Herc

he would only be willing to commit 444 Sqn

I will investigate

30JAN2012 1319Z

MACDONALDC

=GooseBay Ops

They are reporting SAR readyt

He passed me #s for

Maj Elliot 709 896-1637

Capt Gillis 709 899-2610

30JAN2012 1328Z

MACDONALDC

=Capt Gillis

He is on the way to work but the AC is US and he will call me when he gets to Sqn

30JAN2012 1330Z

MACDONALDC

NTF

Discussed weather 600/1 and aircraft status for the fleet with the OIC

At this point he does not want to commit resources other than 444 and they are US

30JAN2012 1333Z

MACDONALDC

=EMO and advised based on weather and aircraft status we can not support at this time

We may be able to support in the future if required and aircraft/Wx situations improve

30JAN2012 1452Z

MACDONALDC

444 Sqn=

They are US until 1800Z

07FEB2012 1602Z

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Incident Log

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30JAN2012 2118Z MACDONALDC

Incident H2012-00140 CLOSED by MACDONALDC@SN-WP-OPHOST03 at 30JAN2012 2118Z.

31JAN2012 2043Z MACDONALDC

LForces Northern D201=  
They are requesting the procedure for helo support for the Makkovik missing teen.  
Explained the procedure to him.  
There is no request at this junction

31JAN2012 2045Z MACDONALDC

Incident H2012-00140 RE-OPENED by MACDONALDC@SN-WP-OPHOST03 at 31JAN2012 2045Z.

31JAN2012 2047Z PARKERJ

= Goose Bay Ops

looking for Griffon SRVBLITY,

Grif doing ground run now, will get back to us.

31JAN2012 2054Z MACDONALDC

EMO=

Requesting air support to do search of region  
Snow machine was found underwater and they believe it is possible to make it to shore from there  
Explained we have no Herc ar this time and our 412 in GooseBay is US  
Asked him for the lat/long and I will discuss with our OIC  
He will call me back with the Lat/Long

31JAN2012 2059Z MACDONALDC

=

Position 55.14714N 59.07016W  
Skidoo was found on top of the ice and they feel there is a realistic chance the boy couls still be alive  
requested local wx/ he will call us back momentarily  
They can not search due to darkness  
Advised him I am waiting to hear back from my OIC and will let him know

31JAN2012 2103Z CREWEK

converted latitude/longitude to 55 08.83N 059 04.21W

31JAN2012 2110Z MACDONALDC

=OIC  
Discussed options  
He wants 444 to go if they are srrv in next hour or so and if not send Aurora  
He does not want to send the Corm with no serv Herc in the region

07FEB2012 1602Z

**Incident Log**

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31JAN2012 2113Z MACDONALDC

444 Sqn AC=  
they have found an oil leak on a line and should be serv by 2200Z  
We will be tasking if serv

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31JAN2012 2114Z MACDONALDC

=EMO to advise  
He wanted to pass better position but was unsure of the format  
I will call Cpl Vardy directly

---

31JAN2012 2120Z MACDONALDC

=Cpl Vardy  
he passed better position 55 09 15.8N 059 02 24.4W  
He feels the 14 YOM may have been either lost trying to go to Goose Bay  
He would like us to search Cape Strwaberry and Frods Bight toward Makkovik  
I will call when 412 is serv approx 2200Z

---

31JAN2012 2121Z CREWEK

converted new position from RCMP on ground to latitude/longitude 55 09.26N 059 02.41W

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31JAN2012 2125Z MACDONALDC

=AOC  
they are tasking 444 Sqn to do this mission

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31JAN2012 2133Z MACDONALDC

SRU GRIF 408 444 (CF Griffon) paged.

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31JAN2012 2133Z MACDONALDC

SRU GRIF 408 444 (CF Griffon) tasked.

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31JAN2012 2144Z PARKERJ

Attachment 1: 2ndary sar briefing form 444sqn rscu40, not signed.doc from Assistant Air Coord

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31JAN2012 2144Z MACDONALDC

Attachment 2: alr40shoreline.doc from KC

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31JAN2012 2144Z MACDONALDC

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07FEB2012 1602Z

**Incident Log**

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=Cpl Vardy  
Missing youth wearing

No survival equipment  
Missing since Sunday night  
briefed him on 444 Sqn and likely only 1 tank of gas due to crew issues

31JAN2012 2208Z

PARKERJ

NTF sent fax to 444Sqn MCC

secondary SAR req form and the SAR brief report

31JAN2012 2210Z

MACDONALDK

Reviewed

31JAN2012 2236Z

MACDONALDK

=Cpl Vardy. Can you provide me with a little more info?/ Yes  
Where were the tracks coming from?/ The tracks came out of Makkovik Bay and towards Strawberry point.  
The snow machine is pointed towards cape Strawberry. / Are the tracks still visible or has it snowed?/ It has snowed 8 inches since the incident./ Would it have been logical for him to walk back to Makkovik via Fords Bight or via Makkovik Bay?/ The shortest way would have been via Makkovik Bay.  
Is the snow machine still at the incident position?/ Yes, GSAR has not been able to get to it./ Is it broke through the ice?/ No it looks to be on top of the ice however there is a 60 foot open stretch of water and we are not sure if he went into that water or made it off onto safe ice.

Is the GSAR team on scene now?/ Yes they are/ How many in that party?/ 9 persons./ What freq are they working on?/ 122.8/ Are they staying for the night of coming out?/ They are making there way out now by foot. Then they will get to there snowmobiles and return to Makkovik./ What is the rendezvous point for the snowmobiles?/ The first inlet South West of the most Northerly point of Cape Strawberry.

Did the boy have any medical history?/ No/ What are your intentions for tomorrow/ Unsure at this time. GSAR will be going back out.// OK The Griffon crew should be going soon. Call back in 2 hours for a SITREP

31JAN2012 2245Z

MACDONALDK

= Capt Gillis. Is your TL with you?/ No/ Can you get him on speaker phone and I will give you a brief?/ Yes call back in 2 minutes.

31JAN2012 2250Z

MACDONALDK



**Incident Log**

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= 444 Sqn. Briefed AC and TL as per Cpl Vardys conversation. Amended tasking:  
 Search a 1 mile radius around the incident position, then conduct a shore crawl from Cape Strawberry South down the West shore until the end of Fords Bight. Then back out the West shore of Fords Bight. Once Fords bight is complete return to the incident position and complete a track crawl South West to Makkovik Bay towards Big Island and into the town of Makkovik. That will probably use up your fuel// Yes we will refuel at Makkovik./ Are you able to go back out after that?/ We will see how much crew day is left. The FE was in at 1400z. Will only have crew day until 0500z./ Understood. Check in with us once onscene./ Roger will get a phone patch through CG Radio/ Do you need us to arrange fuel at Makkovik?/ Yes the contact number is

NTF. Secondary SAR Unit certification read and verbally acknowledged by Capt Dan Gillis, R440 Aircraft commander.

**31JAN2012 2310Z** **BURGWINS**

Reviewed.

**31JAN2012 2328Z** **PARKERJ**

= Goose Bay Ops

Inquired if RSCU440 has departed// not yet// could you call us when they do?// yes.

**31JAN2012 2328Z** **BURGWINS**

Attachment 3: ice chart lab coast 311800.pdf from Canadian Ice Service

**31JAN2012 2338Z** **MACDONALDK**

SRU GRIF 440 444 (HÉLICOPTÈRE CH146 Griffon) began sortie.

**31JAN2012 2339Z** **SNIDERT**

Goose Bay Radio = Rescue 440 airborne at 2337z with 4pob eta 1hr to search site.

**31JAN2012 2344Z** **MACDONALDK**

AOC= Looking for brief/ Briefed

**31JAN2012 2346Z** **MACDONALDK**

MACS Trenton= ETA R440 1hour from LKP and they request to open watch/ Check comments

**01FEB2012 0011Z** **PARKERJ**

= / Woodward's Fuel Makkovik

Capt Gillis called him from Goose Bay, was already aware.

I told Mr [redacted] that the helo would be there in apporximately 30 mins to start the search, once complete he will get fuel, Estimating at 10pm Lcl/ 0200Z.

**07FEB2012 1602Z**

**Incident Log**

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**01FEB2012 0012Z**

**MACDONALDK**

Cpl Vardy= Briefed that Helo is about 30 minutes back from LKP. He requested that 2 Ex military Sgts go out with Griffon. I informed that is not going to happen tonight. Cpl Vardy would like for Griffon to spend the night in Makkovik and go back out tomorrow. I advised that AC will return to Goose as it is a fairly short transit and the aircraft commander is concerned about aircraft security. Also he was informed that the Griffon only has 1 crew and they would be on crew rest until 1700z. I suggested that he make arrangements with EMO now so they could have full day tomorrow. Cpl Vardy said EMO would not entertain idea until night searchg was complete. I said that I will call EMO. The weather will be very favourable tommorow and EMO assest should be ready for first light. I said that we would run a survival model and advised that it is only a tool.

**01FEB2012 0019Z**

**PARKERJ**

Attachment 4: rscu440.jpg from www.dnd.ca/airforce

**01FEB2012 0023Z**

**MACDONALDK**

= EMO. Explained that Cpl Vardy was under the impression that there would be no arrangements until DND was complete. / Yes we can line something up tomorrow/ You need to line it up now so you can have full daylight./ OK we can have a helo out of Goose Bay at first light. I will discuss with Cpl Vardy/ Great thanks much

**01FEB2012 0028Z**

**BURGWINS**

Attachment 5: survival model.txt from CESM

NTF

Values given for CESM represent best case scenario.

Log states search object has been missing since Sun night. Assuming that means 29/0000 the search object has been missing 48.5 hrs.

Survival time > 36 hours

Functional time 29.2

**01FEB2012 0035Z**

**BILLARDD**

AGA = R440 eta 12 mins

**01FEB2012 0036Z**

**MACDONALDK**

= CASARA Goose Bay. What is your status.. callout sheet has you as 2 x coordinators/ No we have 6 spotters./ Great case going on in Makkovik. EMO sending aircraft out tomorrow, I will see if they want to use you.

**01FEB2012 0045Z**

**MACDONALDK**

SRU GRIF 440 444 (HÉLICOPTÈRE CH146 Griffon) arrived on scene.

07FEB2012 1602Z

Page 6 of 13

**Incident Log**

**Criteria:** : Incident H2012-00140

s.19(1)

**01FEB2012 0054Z**

**MACDONALDK**

= EMO. No answer.

**01FEB2012 0101Z**

**MACDONALDK**

= EMO. Passed contact info for CASARA Goose Bay. Highly recommend they be used on the aircraft tomorrow. has never heard of CASARA. EMO agreed that they would have chartered aircraft available to resume air search for first light.

**01FEB2012 0105Z**

**MACDONALDK**

= Cpl Vardy. Briefed that CASARA is available and highly recommended. Also passed survival model information and informed that this information is only a tool and for information purposes only.

**01FEB2012 0110Z**

**MACDONALDK**

Halifax FIC= Do you have comms with R40?/ Yes/ He is coming up on overdue time/ Extend his FP until 0138z/ Wilco

**01FEB2012 0118Z**

**MACDONALDK**

= Cpl Vardy. Passed a couple of frequency's to try R40 on. (CH 16, 126.7 and Makkovik aerodrome 122.8)

**01FEB2012 0123Z**

**MACDONALDK**

= Labrador MCTS. Can you try contacting R40 on Ch 16/ Will do

**01FEB2012 0125Z**

**MACDONALDK**

Labrador MCTS = R40 is at the LKP and will be landing in Makkovik in 45 minutes/ Can you get me a phone patch

**01FEB2012 0127Z**

**MACDONALDK**

Labrador MCTS = Phone patch unsuccessful, request pp through MACS Trenton

**01FEB2012 0135Z**

**MACDONALDK**

Hfx AGA= R40 with PP// Searched LKP. Gas can on the ice behind snowmobile. We are searching down Fords Bight now/ Incident commander has requested that you also search Wild Bight. Your Flight plan is Tx'd do you want it extended?/ Yes we will returning to base Makkovik for fuel in 45min.

**01FEB2012 0143Z**

**MACDONALDK**

= Halifax FIC. Extend R40 until 0220z/ Will do

**01FEB2012 0143Z**

**MACDONALDK**

= Cpl Vardy. Briefed findings of R40. They were aware. We both agree that it looks like he walked away from the machine. Cpl vardy advised that there was alot of Pan ice and is concerned he may have bkoke through. I advised that we would try to get ice information for Jan 29 as requested.

07FEB2012 1602Z

Page 7 of 13

Incident Log

Criteria: : Incident H2012-00140

01FEB2012 0156Z	BURGWINS
Attachment 6: tasking 444 sqn to assist with search.msg from JRCCHalifax@JRCC@Halifax	
01FEB2012 0156Z	BURGWINS
Attachment 7: 14 wg cpl40 sec sar tasking.msg from AOCDWO@forces.gc.ca	
01FEB2012 0157Z	BURGWINS
Attachment 8: re tasking 444 sqn to assist with search.msg from Ali.Laaouan@forces.gc.ca	
01FEB2012 0157Z	BURGWINS
Attachment 9: 5 wg sec sar tasking - case no. 0140.msg from AOCDWO@forces.gc.ca	
01FEB2012 0200Z	BILLARDD
= Const Vardy Briefed on ice chart analysis and fact that just from sat obs.	
01FEB2012 0202Z	BURGWINS
Attachment 10: new tasking cpl40113.msg from ANDREW.MERCER@forces.gc.ca	
01FEB2012 0203Z	MACDONALDK
SRU GRIF 440 444 (HÉLICOPTÈRE CH146 Griffon) departed from scene.	
01FEB2012 0203Z	MACDONALDK
SRU GRIF 440 444 (HÉLICOPTÈRE CH146 Griffon) ended sortie.	
01FEB2012 0205Z	BURGWINS
Attachment 11: ice charts 29 and 30.pdf from MRSC N	
01FEB2012 0218Z	MACDONALDK
=14 WOps. I just seen your email saying that 332 is serviceable and on that email thread it mentioned that the Aurora was tasked to a new area. Where is that?/ Strait of Bell Isle./ I may ask if they can complete a FLIR search in Makkovik. Do you know the priority of the mission?/ No/ What is there current position?/ 5124.22N 05706.25W/ Copy I will contact AOC and CANCOM Ops	
01FEB2012 0219Z	BILLARDD
R440 = fueling est 30-40 min will call back before T/O. Checked out coordinates passed by RCMP on a bluff, negative.Checked area around sled and to the east pretty thoroughly nil seen. Gas can was 5-10 ft behind sled, lots of cracks and there is a lead near the shore close to the sled. Cliffs are 20-30 feet high in that area. Their crew day will be over a 0100L. Winds NW 20-30 good visibility and about 1/2 moon.	
01FEB2012 0223Z	MACDONALDK

07FEB2012 1602Z

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**Incident Log**

**Criteria:** : Incident H2012-00140

= JCC Ops. Understand Aurora 113 is working a case near Blanc Sablon and I have an interest to use him for a flir search of a relatively small area./ Yes I think that that is reasonable, I will just have to confirm with my boss NTF. Maj Matthews briefed on details of case and concurs with need for FLIR

01FEB2012 0228Z

BILLARDD

Major mathews Can Com supports he will contact KOC, have Air controller send the paperwork

01FEB2012 0230Z

MACDONALDK

= OIC. Briefed details of case and the request made to CANCOMM for Aurora that was 280nm South of position. Advised that there is high probability that Boy did not go through the ice and is on land. Need the FLIR capability./ OIC concurs.

01FEB2012 0230Z

MACDONALDK

= 14 WOps. Briefed Capt Mercer that we are retasking Pathfinder 31 to SAR makkovik under the approval of CANCOMM. Can you brief RJOC?/ Yes

01FEB2012 0234Z

MACDONALDK

= JCC Ops (Maj Matthews). Want to confirm JRCC Halifax is approved to retask Pathfinder 31 to SAR case Makkovik. Affirmative/ Who did you recieve approval from?/ My LCol/ Thanks for your help

01FEB2012 0235Z

MACDONALDK

= Auroa 113. We have a tasking for you approximately 280nm North of your present position and CANCOMM has given approval for re-task/ Well RJOC has been trying to raise us on secure comms for the past 1.5 hours, is that the same thing you are calling about?/ Negative, I just recieved this approval through CANCOMM. Are you able to accept?/ Yes/ OK proceed towards LKP to conduct FLIR search. I will call you back in 15minutes to pass tasking area. What is your optimal search hieght for FLIR? 1000'/ What is the Sweep Width at 1000'?/ Approx 1-1.5nm. We will only be able to give you 1.5 hours on scene./ Copy

01FEB2012 0239Z

BILLARDD

Capt House DDO Wiinepeg confirms approval, briefed on details and location.

01FEB2012 0248Z

BURGWINS

SRU (unnamed) (unknown resource type) tasked.

01FEB2012 0248Z

BURGWINS

SRU AUR 103 405 (unknown resource type) began sortie.

01FEB2012 0256Z

MACDONALDK

= Capt Gillis. R113 would be coming your way to complete a FLIR search. What freq do you want to use?/ 122.8 or M16/ OK what arear have you searched?/ Had a good look at the LKP and spent alot of time on the North West side.. Also completed Fords Bight and Wild Bight. There was an area that the incident commander wanted checked out where alot of crows were seen. There was absolutly nothing there. The visibility is excellent. We saw the snowmobile 1nm back. We can give about another 1.5 hours before Bingo to Goose.

07FEB2012 1602Z

Page 9 of 13

**Incident Log**

**Criteria:** : Incident H2012-00140

---

**01FEB2012 0307Z** **MACDONALDK**  
 = Pathfinder 31. No answer

---

**01FEB2012 0316Z** **MACDONALDK**  
 = R31. Request that you complete a FLIR search of the following area: CSP 5505N 05853W, 5512N 05853W, 5512N 05906W, 5505N 05906W. CSP in South East corner of Box. Conduct South-North lines creeping West./ Copy we will be BINGO ZX at 0500z and BINGO Goose Bay at 0800z

---

**01FEB2012 0320Z** **MACDONALDK**  
 SRU GRIF 440 444 (HÉLICOPTÈRE CH146 Griffon) began sortie.

---

**01FEB2012 0320Z** **MACDONALDK**  
 SRU GRIF 440 444 (HÉLICOPTÈRE CH146 Griffon) arrived on scene.

---

**01FEB2012 0322Z** **MACDONALDK**  
 = Cpl Vardy. Broefed that Aurora will be joining search to conduct FLIR search of area./ Thank you very much that is appreciated.

---

**01FEB2012 0342Z** **BURGWINS**  
 SRU (unnamed) (unknown resource type) arrived on scene.

---

**01FEB2012 0349Z** **MACDONALDK**  
 R31= on scene at 0342z. R40 has neg HF comms. They advise that they will be onscene for 1.5hrs./ Copy request that you provide comms platform for R40/ WILCO

---

**01FEB2012 0410Z** **MACDONALDK**  
 R31= SITREP1. Position 5517N 05857W, GS 190, 3000' ASL. 3 Legs complete. IR capability intermittent, QNH 29.98. Wx. High Scattered, visibilty unlimited, temperature -16. Bingo to ZX is 0500z. R40 has 2 hrs of fuel remaining/ Will you be able to complete search area before BINGO?/ Yes, with degraded capability we estimate that coverage was 70 %./ Copy you will be stood down at BINGO for ZX.

---

**01FEB2012 0430Z** **MACDONALDK**  
 AOC= Did P31 advise when they are BINGO?/ 0500z

---

**01FEB2012 0434Z** **MACDONALDK**  
 Attachment 12: sar makkovik update.msg from JRCCHalifax@JRCC@Halifax

---

**01FEB2012 0436Z** **MACDONALDK**  
 Attachment 13: cp140 sec sar tasking 31 jan 2012.msg from AOCDWO@forces.gc.ca

---

**01FEB2012 0439Z** **MACDONALDK**  
 Attachment 14: tasking 444 sqn to assist with search(1).msg from JRCCHalifax@JRCC@Halifax

---

07FEB2012 1602Z

Incident Log

Criteria: : Incident H2012-00140

01FEB2012 0500Z MACDONALDK

R31= R40 and R31 are returning to base at this time./ Have you completed the pattern?/ Yes we completed the pattern x2 with 85-90% coverage. We will call at 0500L for debrief/ check

01FEB2012 0500Z MACDONALDK

SRU AUR 113 405 (unknown resource type) departed from scene.

01FEB2012 0505Z MACDONALDK

SRU GRIF 440 444 (HÉLICOPTÈRE CH146 Griffon) departed from scene.

01FEB2012 0505Z MACDONALDK

SRU GRIF 440 444 (HÉLICOPTÈRE CH146 Griffon) ended sortie.

01FEB2012 0516Z MACDONALDK

R40= We searched area again and had a good look at the rocks to the NW of the LKP. We went back to the sled to have another look and the FE noticed footprints leading away to the South of the LKP straight toward land. The tracks were only visible for 150' then we lost the trail. They were definitely heading to the shore. The GSAR team may be able to pick them up./ Have you debriefed the incident commander?/ yes and he is on his way to brief the family/ I will take your times for the first 2 legs/ Dep 2326z On scene 0045z off 0203z End 0203z. Leg#2 Dep 0320z on scene 0320z Off 0505z end 0505z./ Talk to you when you arrive in CYR.

01FEB2012 0538Z MACDONALDK

SRU GRIF 440 444 (HÉLICOPTÈRE CH146 Griffon) began sortie.

01FEB2012 0658Z MACDONALDK

SRU GRIF 440 444 (HÉLICOPTÈRE CH146 Griffon) ended sortie.

01FEB2012 0658Z MACDONALDK

SRU GRIF 440 444 (HÉLICOPTÈRE CH146 Griffon) released.

01FEB2012 0720Z MACDONALDK

CApt Gillis = Dep 0538 Land 0658

01FEB2012 0831Z MACLEANA

SRU AUR 113 405 (unknown resource type) ended sortie.

01FEB2012 0831Z MACLEANA

SRU AUR 113 405 (unknown resource type) released.

01FEB2012 1048Z CREWEK

Reviewed

07FEB2012 1602Z



Incident Log

Criteria: : Incident H2012-00140

s.19(1)

---

01FEB2012 1058Z BELCOURTA

Reviewed.

---

01FEB2012 1104Z BELCOURTA

Reviewed.

---

01FEB2012 1148Z HARRISONJ

Reviewed

---

01FEB2012 1206Z MACLEANA

Attachment 15: sar makkovik final update.pdf from JRCCHalifax@JRCC@Halifax

---

01FEB2012 2240Z MACDONALDC

reviewed

---

01FEB2012 2241Z BILLARDD

= RCMP did you find boy. Will send you the news release

---

01FEB2012 2348Z BILLARDD

Attachment 16: fwd missing person - makkovik.msg from Felicity Ryan

---

02FEB2012 0314Z BILLARDD

NTF

Intend to leave case open until we can get the location at which the body was found by searchers.

---

02FEB2012 1223Z HARRISONJ

= he will call back with the Lat and Long the search object was found.

---

02FEB2012 1924Z BELCOURTA

Reviewed.

---

02FEB2012 2342Z ISAACST

Reviewed.

---

02FEB2012 2342Z FLEMMINGK

log Reviewed.

---

03FEB2012 0052Z MACDONALDC

---

07FEB2012 1602Z

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**Incident Log**

**Criteria:** : Incident H2012-00140

s.19(1)

Maj Greive Canada Command=

He requested position of Snow machine and Location of remains.//RCC does not have these

He is going to contact Cpl Vardy to get this info

03FEB2012 0510Z

MACDONALDC

AOC Winnipeg=

Capt Ludlow

Requested copy of log and weather as entered in case

sent by email to AOCDWO@forces.gc.ca

03FEB2012 1027Z

CAMEROND

Log reviewed.

03FEB2012 1307Z

SPERRYW

Attachment 17: fw coordinates.msg from

03FEB2012 1609Z

GLOVERC

Reviewed.

03FEB2012 1643Z

CAMEROND

From Kimball Vardy, RCMP, coordinates in UTM's:

21U M038730 6112356, which is an incorrect set of coordinates, the easting is incorrect. Sent email back to for correct coordinates.

Should be something like 21 408183 6112356

03FEB2012 1814Z

CAMEROND

From Makkovik RCMP, boy was found at 5508.725N 058 52.28 W, approx 12 nm ENE of Makkovik and skidoo was found at approx 5509.18N 05902.05W, 7 nm ENE of Makkovik.

05FEB2012 1047Z

JARVISW

NTF- There has been nothing new since 3 Feb. Case closed.

05FEB2012 1050Z

JARVISW

Incident H2012-00140 CLOSED by JARVISW@SN-WP-OPHOST03 at 05FEB2012 1050Z.

07FEB2012 1602Z

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JRCC HALIFAX

# ANNEX 9I- SAR BRIEFING/TASKING FORM FOR AIRCRAFT- SECONDARY SEARCH AND RESCUE UNITS

### Briefing

Date - time group **07/02/12 16:01:08**  
 SAR ( RCC case #/name ) **H2012-00140 MAKKOVIK**  
 Tasked squadron / aircraft type **444Sqn / CH-146 Griffin /RSCU40**  
 Nature of distress or emergency **Missing Person**

### Search Object

Type: **Person 14 Year old boy**  
 Number on board **1**  
 Name of pilot/operator/owner **N/A**  
 Description **N/A**  
 Radios on board/last known frequency **N/A**  
 Emergency equipment **N/A**

**Assigned Tasking / Mission** (describe in plain language) **Conduct a shoreline search of the area around the snowmobile which was found approximately 400 meters off shore on the ice. ( 55 08.93N 059 04.21W).**

### Assigned Search Areas

Area description ( corner points, latitude and longitude, etc ) **See attachment document for search area.**

Commence search point **See attachment**

Direction to track **See attachment**

Track spacing **See attachment**

Search altitude (not below VFR limits) **See attachment**

Search pattern (ELT, track crawl,etc.) **See attachment**

Other search and rescue units in the same or adjacent areas

- Aircraft/altitude/area **Nil**
- vessels/area **Nil**
- ground search teams **yes**

### Frequencies and call signs for communications

123.1     5717     Ch16     128.85     252.8     129.775

Other search aircraft **Nil**

Other search vessels/ground teams **Nil**

JRCC HALIFAX

Search object/survivors **14 year old Boy**

**Communication checks**

Progress reports should be passed to **RCC** every **1 hour**

Advise controlling agency when and why, if progress reports or SITREPS cannot be maintained.  
**IF CONSECUTIVE PROGRESS REPORTS OR SITREPS ARE MISSED, SEARCH ACTION MAY BE INITIATED**

**Action on sighting search object broadcast on Coast Guard Radio, Channel 16.**

If unable to effect rescue, direct other aircraft and or vessels to the scene. Remain on scene until relieved, forced to return or until rescue has been completed.

**Unit certification**

(The controller will read these statements to the unit commander and certify his/her acceptance)

- IN THE OPINION OF THE UNIT COMMANDER, THE UNIT AND CREW CAPABILITIES ARE SUFFICIENT TO SAFELY COMPLETE TH MISSION AS BRIEFED.

\_\_\_\_\_  
Initials

- THE UNIT COMMANDER UNDERSTANDS THAT AT ANY TIME A CONDITION/SITUATION IS ENCOUNTERED THAT EXCEEDS THAT EXCEEDS THE UNIT OR CREW CAPABILITIES, THE MISSION SHALL BE ABORTED.

\_\_\_\_\_  
Initials

**Special Instructions** ( On scene commander, co-ordinator air search, etc )



SN-WP-OPHOST01 parkerij 12:18:30 AM 2/1/2012

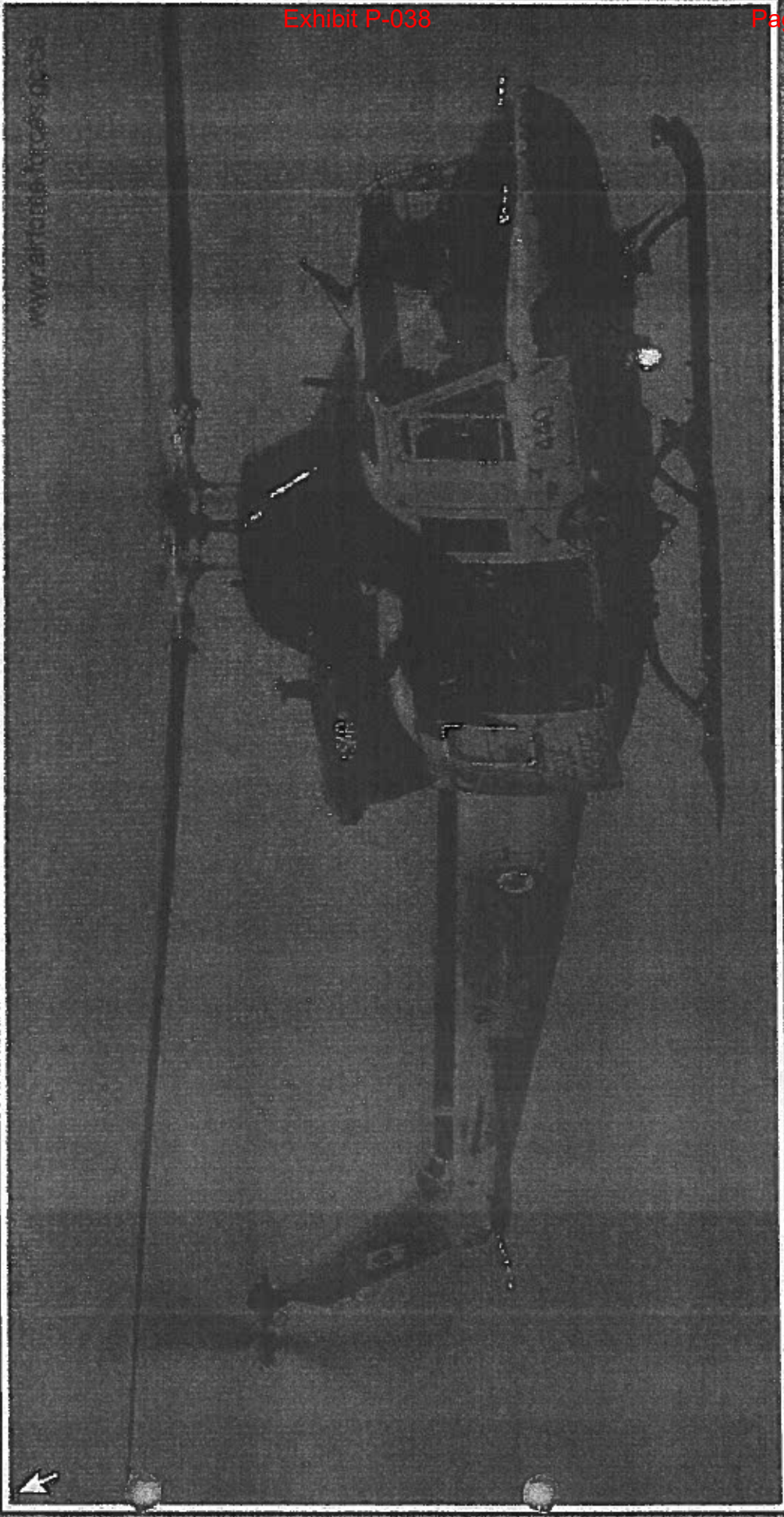


Exhibit P-038

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A0343240\_3-000028

RELEASSED UNDER THE E.O. 13526 UNCLASSIFIED INFORMATION  
DIVULGUÉ EN VERTU DE LA LAI - RENSEIGNEMENTS NON CLASSIFIÉS

## survival model

----- CESM Results (01/02/2012 00:26:59 z)  
-----

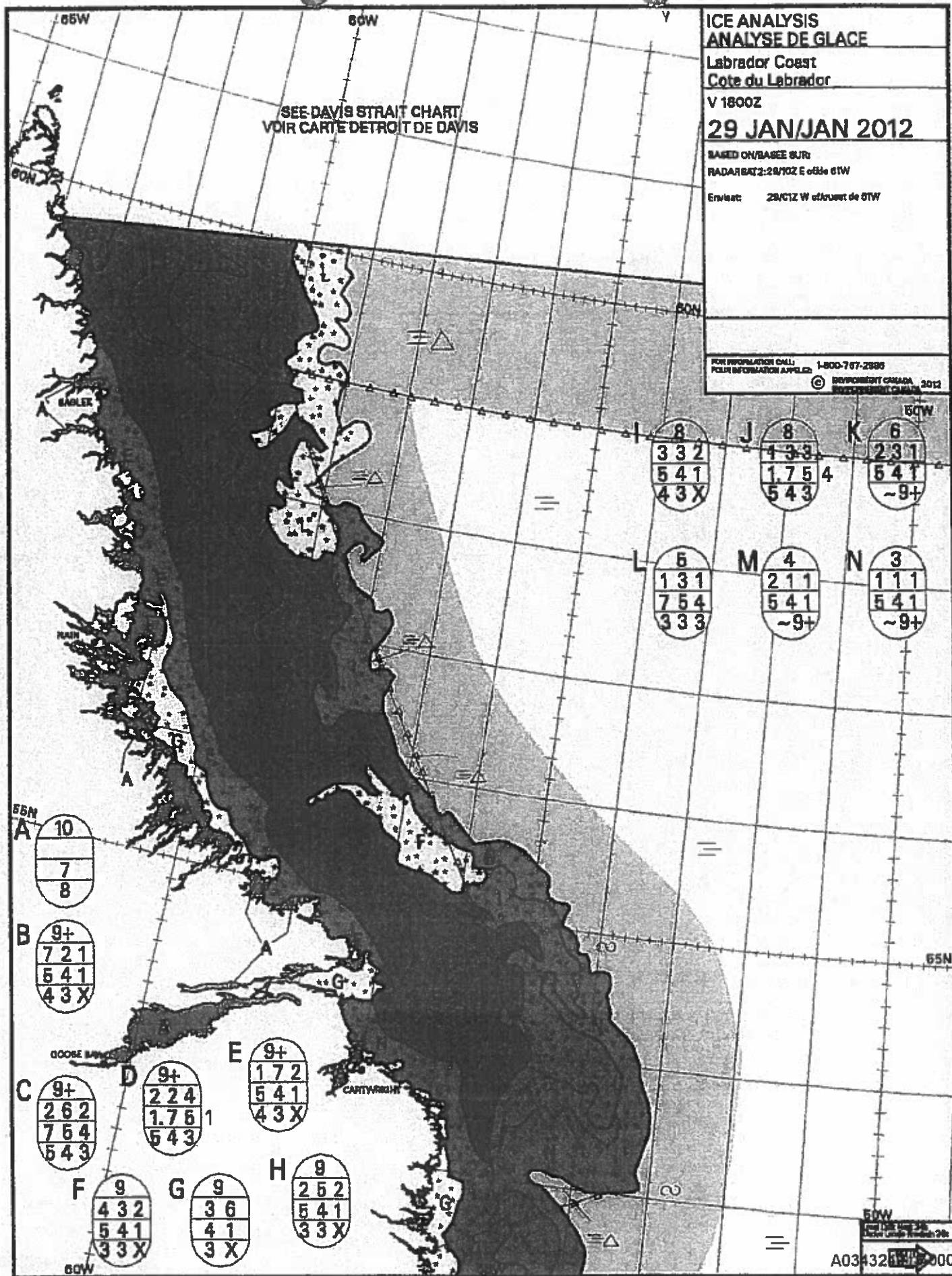
CESM version 4.0.1

Age (yrs): 14  
Gender Male  
Height (m): 1.60  
Weight (kg): 80.00  
Body Fat (%): 21.34 (B.F. Unknown)  
Fatigue: Tired  
Immersion: Thigh  
Clothing Wetness: Non-Immersed Segment: Dry  
Wind (kph): 4 (Light)  
Tair (°C): -10.00  
RH (%): 40 (Dry)  
Twater (°C): 0.00  
Sea State: Light  
Ensemble: Snowmobile Suit + Light Undergarment

Survival Time (hrs): > 36  
Functional Time (hrs): 29.2

Risk of Freezing: No risk  
Cheek: No risk of freezing  
Finger: No risk of freezing











JRCC HALIFAX

# ANNEX 9I- SAR BRIEFING/TASKING FORM FOR AIRCRAFT- SECONDARY SEARCH AND RESCUE UNITS

### Briefing

Date - time group	08/03/12 09:51:51
SAR ( RCC case #/name )	H2012-00140 MAKKOVIK
Tasked squadron / aircraft type	444Sqn / CH-146 Griffin /RSCU40
Nature of distress or emergency	Missing Person

### Search Object

Type: **Person 14 Year old boy**  
 Number on board **1**  
 Name of pilot/operator/owner **N/A**  
 Description **N/A**  
 Radios on board/last known frequency **N/A**  
 Emergency equipment **N/A**

**Assigned Tasking / Mission** (describe in plain language) **Conduct a shoreline search of the area around the snowmobile which was found approximately 400 meters off shore on the ice. ( 55 08.93N 059 04.21W).**

### Assigned Search Areas

Area description ( corner points, latitude and longitude, etc ) **See attachment document for search area.**

Commence search point **See attachment**  
 Direction to track **See attachment**  
 Track spacing **See attachment**  
 Search altitude (not below VFR limits) **See attachment**  
 Search pattern (ELT, track crawl,etc.) **See attachment**

Other search and rescue units in the same or adjacent areas

- Aircraft/altitude/area **Nil**
- vessels/area **Nil**
- ground search teams **yes**

### Frequencies and call signs for communications

123.1     5717     Ch16     128.85     252.8     129.775

Other search aircraft **Nil**  
 Other search vessels/ground teams **Nil**



JRCC HALIFAX

Search object/survivors **14 year old Boy**

**Communication checks**

Progress reports should be passed to **RCC** every **1 hour**

Advise controlling agency when and why, if progress reports or SITREPS cannot be maintained  
**IF CONSECUTIVE PROGRESS REPORTS OR SITREPS ARE MISSED, SEARCH ACTION MAY BE INITIATED**

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(The controller will read these statements to the unit commander and certify his/her acceptance)

- IN THE OPINION OF THE UNIT COMMANDER, THE UNIT AND CREW CAPABILITIES ARE SUFFICIENT TO SAFELY COMPLETE TH MISSION AS BRIEFED. \_\_\_\_\_  
Initials
- THE UNIT COMMANDER UNDERSTANDS THAT AT ANY TIME A CONDITION/SITUATION IS ENCOUNTERED THAT EXCEEDS THAT EXCEEDS THE UNIT OR CREW CAPABILITIES, THE MISSION SHALL BE ABORTED. \_\_\_\_\_  
Initials

**Special Instructions** ( On scene commander, co-ordinator air search, etc )

# SAR BRIEFING REPORT

## R 40 444

s.19(1)

General	
SAR	Makkovik
SITUATION	Missing Person
DATE	30 Jan 2012
TIME	13:09
INCIDENT#	H2012-00140
LOCATION	Makkovik Labrador
N	55°09.26'N
W	059°02.41'W
CALL SIGN	n/a
POB	1



**Nature of distress** 14 YOM lost in vcty of Cape Strawberry

**Tasking** SRU Name: GRIF 408 444, Sortie #: 423335, Search Type: Shoreline  
 Altitude and speed at pilots discretion

**Description** n/a

**Other Info** Wearing  
 No survival equipment

**Medical Info** Has been missing for 2 days

**On Scene Comd** Cpl Vardy RCMP 709 923-2317

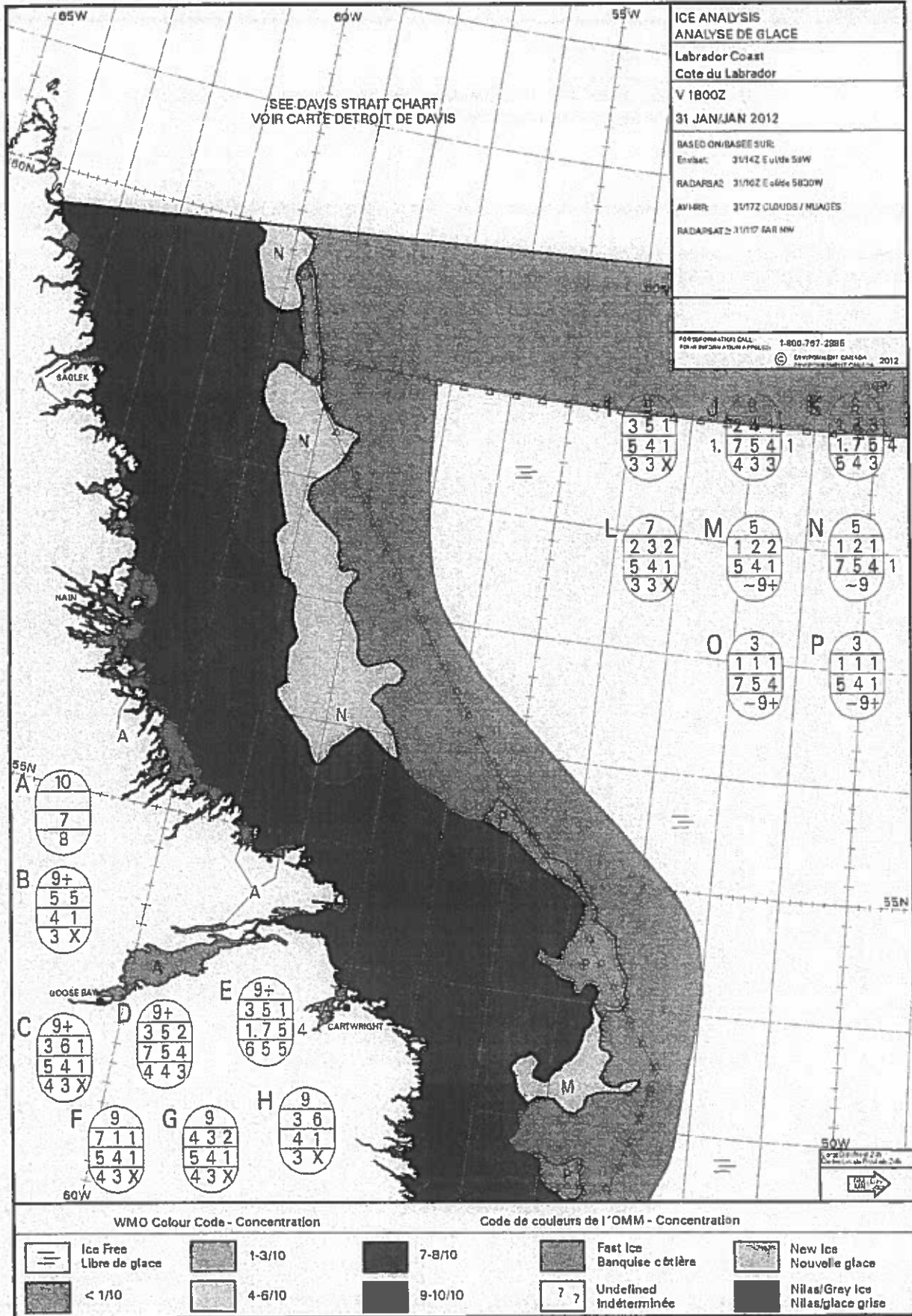
**POBs**

**Checklist Points**

Survival equipment

n/a	
Radio nav aids	Route
n/a	n/a





**House Sgt B@JRCC@Halifax**

---

**From:** JRCCHalifax@JRCC@Halifax  
**Sent:** January 31, 2012 21:29  
**To:** Laouan Maj A (MCAN); Laouan Maj A@JRCC@Halifax; N3; RJOC(A)  
**Subject:** Tasking 444 Sqn to assist with Search.

Sir  
We are tasking 444 Sqn to proceed to Makkovik to assist in the search for a missing 14 YOM lost in vcty of Cape Strawberry.  
444 Sqn is presently US and feel they will be serv by 2200Z  
Updates as more info comes available

V/R  
K.C. MacDonald  
Capitaine | Captain  
Air Coordinateur R&S | SAR Air Coordinator  
CCCS Halifax | JRCC Halifax  
Défense Nationale | National Defence  
Halifax, Canada B3K 5X5  
macdonaldc@sarnet.dnd.ca  
Téléphone | Telephone 902-427-2100  
Télécopieur | Facsimile 902-427-2114  
Gouvernement du Canada | Government of Canada

**House Sgt B@JRCC@Halifax**

---

**From:** Ali.Laaouan@forces.gc.ca  
**Sent:** January 31, 2012 21:56  
**To:** JRCCHalifax@JRCC@Halifax  
**Subject:** Re: Tasking 444 Sqn to assist with Search  
Copied

Sent from my wireless handheld device / Transmis de mon appareil portable

---

**From:** JRCCHalifax@JRCC@Halifax <JRCCHalifax@sarnet.dnd.ca>  
**To:** Laaouan Maj MA@RCC Admin@Halifax; Laaouan Maj A@JRCC@Halifax <laaouana@sarnet.dnd.ca>; Young Capt(N) DMC@MARLANT HQ N3@HALIFAX; ++RJOCA WATCH OFFICER@Trinity RJOC(A)@Halifax  
**Sent:** Tue Jan 31 17:29:20 2012  
**Subject:** Tasking 444 Sqn to assist with Search

Sir  
We are tasking 444 Sqn to proceed to Makkovik to assist in the search for a missing 14 YOM lost in vcty of Cape Strawberry.

444 Sqn is presently US and feel they will be serv by 2200Z  
Updates as more info comes available

V/R  
K.C. MacDonald  
Capitaine | Captain  
Air Coordinateur R&S | SAR Air Coordinator  
CCCS Halifax | JRCC Halifax  
Défense Nationale | National Defence  
Halifax, Canada B3K 5X5  
macdonaldc@sarnet.dnd.ca  
Téléphone | Telephone 902-427-2100  
Télécopieur | Facsimile 902-427-2114  
Gouvernement du Canada | Government of Canada

01 01 312145Z JAN 12 RR RR UUUU AOC013 AOC013

AOC WINNIPEG  
5 WG GOOSE BAY

INFO

A3 SAR// 1 CDN AIR DIV HQ WINNIPEG//AIRLIFT PLANS/A3 TPT/A3 MAR/

444 SQN GOOSE BAY  
CANADA COM JCC OTTAWA  
CFICC OTTAWA  
JRCC HALIFAX

UNCLAS AOC013

SUBJ: 5WG SAR CH146 TASKING CASE NO 0140

1. 5WG IS TASKED TO PROVIDE A CH146 AND CREW TO ASSIST RCC HALIFAX WITH MEDEVAC CASE NUMBER 0140.
2. CH146 AND CREW ARE TACON TO JRCC HALIFAX FOR DURATION OF RCC CASE.
3. JRCC HALIFAX IS TO INFORM AOC WHEN SAR ASSETS ARE NO LONGER REQUIRED.
4. CONTACTS:
  - A. CAOC DWO CSN 257-2650
  - B. RACE A DUTY OFFICER CSN 427-6080
  - C. JRCC HALIFAX CSN 427-2100
  - D. 1WG WOC KINGSTON CSN 271-8232/BB 1-613-483-8431
5. DIRLAUTH.

House Sgt B@JRCC@Halifax

From: ANDREW.MERCER@forces.gc.ca  
Sent: February 1, 2012 01:32  
To: Steve.Chouinard2@forces.gc.ca; 14WOpsDutyMaj@forces.gc.ca; JEAN-PIERRE.LEVESQUE@forces.gc.ca; AOC Duty Officer; RJOC(A); JRCCHalifax@JRCC@Halifax  
Cc: 14 Wing WOC  
Subject: New tasking CP140113

Update 2130L

CP140 113 tasked by RJOC to new area and to report any unusal surface activity ETA Greenwood 0800Z Herc 332 still U/S due to GPS snag - ETS 2200L

cheers

Capt Andrew Mercer  
DWO 14 Wing  
> 14 Wing Operations |14 Escadre Operations  
> 14 Wing Greenwood, Nova Scotia BOP 1N0  
Department of National Defence / Ministère de la Défense Nationale Government of Canada /  
Gouvernement du Canada  
\* Tele: (902) 765-1494 (loc5457)  
\* Fax: (902) 765-5492  
\* A.J. Mercer@forces.gc.ca <mailto:Barbara.Arnburg@forces.gc.ca>

>  
> From: Mercer Capt AJ@WOps@Greenwood  
> Sent: Tuesday, 31, January, 2012 18:37 PM  
> To: Chouinard LCol S@WOps CO@Greenwood; +14WOpsDutyMaj@WOps@greenwood; Levesque MWO JPM@413 Sqn@Greenwood  
> Cc: +Duty-ops-officer@WOps@Greenwood  
> Subject: RTB CH149903  
>  
> CH149 903 has returned from Gander. Presently CH149 913 holding Stby, if 903 is required due to long msn (913 has only has 6 hrs left), will be reconfig only after all checks are completed and 903 serviceable from RTB trip. SAR crew required to be called in to reconfig.  
>  
> Also CP140 113 still holding SAR STBY for Herc - still looking at 2000L for ETS Herc 332.  
>  
> cheers  
>  
> A.J. Mercer  
> CAPT  
> WDO 14 Wing  
> 5457  
>

**House Sgt B@JRCC@Halifax**

---

**From:** JRCCHalifax@JRCC@Halifax  
**Sent:** February 1, 2012 04:29  
**To:** HFX SAR Tasking  
**Cc:** JRCCHalifax@JRCC@Halifax  
**Subject:** SAR Makkovik Update

Sir,  
Pathfinder 31 has joined the search in Makkovik for the missing boy. Pathfinder 31 was working approximately 1 hour south of the search area when it was re-tasked to complete a FLIR search under the authority of the CANCOM watch officer. At first light, EMO Newfoundland will resume the search with chartered assets.

The 413 squadron Hercules is serviceable

Kristin  
K.K. MacDonald  
Capitaine | Captain  
Air Coordinateur R&S | SAR Air Coordinator  
CCCS Halifax | JRCC Halifax  
Défense Nationale | National Defence  
Halifax, Canada B3K 5X5  
macdonaldk@sarnet.dnd.ca  
Téléphone | Telephone 902-427-2100  
Télécopieur | Facsimile 902-427-2114  
Gouvernement du Canada | Government of Canada



CP140 Sec Sar Tasking 31 Jan 2012.txt

From: AOCDWO@forces.gc.ca  
Sent: Wednesday, February 01, 2012 3:09 AM  
To: MessageCentre.2@forces.gc.ca; 14 Wing WOC; 4440PS@forces.gc.ca;  
JRCCHalifax@JRCC@Halifax; JTFARACEDUTY@forces.gc.ca;  
CCAirtaskingNFA@forces.gc.ca; Canada Com JCC@ Canada Com@Ottawa-Hull  
Subject: CP140 Sec Sar Tasking 31 Jan 2012

Attachments: aoc 015 CP140SARTASK.mc3; aoc 015 CP140SARTASK.ocr

<<aoc 015 CP140SARTASK.mc3>> <<aoc 015 CP140SARTASK.ocr>>

Matt House

Captain | Capitaine

Combined Air Operations Centre Defensive Duty Officer Officier de service du Centre  
multinational d'opérations aérospatiales

1 Canadian Air Division Headquarters | Quartier général de la 1re Division aérienne  
du Canada Canadian NORAD Region | NORAD Région du Canada National Defense | Défense  
nationale PO Box 17000 Stn Forces ? CP 17000, succ. Forces Winnipeg, Manitoba,  
Canada R3J 3Y5 AOCDWO@forces.gc.ca Telephone | Téléphone 204-833-2650; CSN ? RCCC  
86-257-2650 Facsimile | Télécopieur 204-833-2576 Government of Canada | Gouvernement  
du Canada

01 01 0103012 FEB 12 00 RR UUUU aoc 015 CP140SARTASK.txt AOC015

AOC WINNIPEG  
WOC GREENWOOD  
INFO JRCC HALIFAX  
404 LRP AND T SQN GREENWOOD  
405 LRP SQN GREENWOOD  
413 T AND R SQN GREENWOOD  
CFICC OTTAWA  
CANADA COM JCC OTTAWA  
1 CDN AIR DIV HQ WINNIPEG//A3 MAR/A3 SAR//

UNCLAS AOC015

MINIMIZE CONSIDERED

SUBJ: 14WG CP140 SEC SAR TASKING

REF A. EMAIL 14 WOPS 31 JAN 2012

B. TELECON CANCOM SWO 31 JAN 2012

C. TELECON RCC HALIFAX 31 JAN 2012

1. 14WG IS TASKED TO PROVIDE ONE (1) CP140 AND CREW TO CONDUCT SEARCH OF AREA NE MAKKOVIK FOR MISSING YOUTH.
2. CP140 AND CREW ARE TACON TO JRCC HALIFAX UNTIL RELEASED BY CAOC.
3. 14WG TO ACKNOWLEDGE RECEIPT AND COMPLIANCE OF THIS MESSAGE VIA QUICKEST MEANS TO CAOC AND JRCC HALIFAX.
4. JRCC HALIFAX IS TO INFORM CAOC WHEN SAR ASSETS ARE NO LONGER REQUIRED.
5. CONTACTS:
  - A. CAOC DWO CSN 257-2650
  - B. RACE P DUTY OFFICER CSN 333-2425
  - B. RACE A DUTY OFFICER CSN 427-6080
  - C. JRCC VICTORIA CSN 333-2992
  - C. JRCC HALIFAX CSN 427-2100
  - C. JRCC TRENTON CSN 827-7262
  - D. 19WG WOC CSN 252-8231
  - D. 14WG WOC CSN 568-5469
  - E. CANCOM SWO 613-945-2639
6. DIRLAUTH.

**From:** JRCCHalifax@JRCC@Halifax  
**To:** HFX SAR Tasking;  
**CC:**  
**Subject:** \SAR Makkovik Final Update  
**Date:** Wednesday, February 01, 2012 5:51:44 AM  
**Attachments:**

---

Sir,  
R40 and Pathfinder 31 have completed their respective searches with negative results. They both reached BINGO fuel at 0500z and returned to base. R40 did take note of footprints leading away from the snowmobile (LKP) for 150 feet before they were no longer visible. GSAR and EMO chartered resources will resume the search at first light.

Kristin

K.K. MacDonald  
Capitaine | Captain  
Air Coordinateur R&S | SAR Air Coordinator  
CCCS Halifax | JRCC Halifax  
Défense Nationale | National Defence  
Halifax, Canada B3K 5X5  
macdonaldk@sarnet.dnd.ca  
Téléphone | Telephone 902-427-2100  
Télécopieur | Facsimile 902-427-2114  
Gouvernement du Canada | Government of Canada

---

**From:** JRCCHalifax@JRCC@Halifax  
**Sent:** February 1, 2012 4:29 Z  
**To:** HFX SAR Tasking  
**Cc:** JRCCHalifax@JRCC@Halifax  
**Subject:** SAR Makkovik Update

Sir,  
Pathfinder 31 has joined the search in Makkovik for the missing boy. Pathfinder 31 was working approximately 1 hour south of the search area when it was re-tasked to complete a FLIR search under the authority of the CANCOM watch officer. At first light, EMO Newfoundland will resume the search with chartered assets.

The 413 squadron Hercules is serviceable

Kristin

K.K. MacDonald

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Air Coordinateur R&S | SAR Air Coordinator

CCCS Halifax | JRCC Halifax

Défense Nationale | National Defence

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Télécopieur | Facsimile 902-427-2114

Gouvernement du Canada | Government of Canada

House Sgt B@JRCC@Halifax

---

From: Felicity Ryan [Felicity.Ryan@rcmp-grc.gc.ca]

Sent: \ February 1, 2012 22:41

To: JRCCHalifax@JRCC@Halifax

Subject: Fwd:\Missing person - Makkovik

copy of news release re missing youth

>>> Scott Morrison 2012-02-01 17:48 >>>

**Makkovik RCMP advise that searchers have located the missing youth from Makkovik.**

Search and Rescue Teams from Makkovik set out this morning to search the shoreline and land around the area where the youths snowmobile had been located. Fire and Emergency Services helicopter was deployed in the search with the local GSART. The helicopter was able to pick up a set of tracks a short distance from the snowmobile trimming along the shore. Searchers followed the tracks which were sporadic and leading in the opposite direction from the Community. The tracks were followed for approximately 19kms until the young victim was located out on the ocean ice approximately 7kms from the nearest point of land. The young victim was brought to the medical facility in Makkovik where he was pronounced deceased. The victims name will not be released at this time.

The RCMP would like to extend our greatest thanks to the local Search and Rescue Team, Local volunteers, Fire and Emergency Services, DND and all other assisting agencies.

-30-

For further information please contact:

Kimball Vardy, Cpl.  
NCO i/c Makkovik Detachment  
P.O. Box 131  
Makkovik, NL.  
AOP 1J0  
(709)923-2317 (w)  
(709)923-2406 (f)



House Sgt B@JRCC@Halifax

s.19(1)

**From:** [redacted]@gov.nl.ca]  
**Sent:** February 3, 2012, 12:36  
**To:** JRCCHalifax@JRCC@Halifax  
**Subject:** Fw: Coordinates

Capt. Harrison,  
As per your request.

FES-NL

Sent Via BlackBerry

---

**From:** Kimball Vardy <Kimball.Vardy@rcmp-grc.gc.ca>  
**To:**  
**Sent:** Thu Feb 02 12:52:22 2012  
**Subject:** Coordinates

Here are the coordinates in UTM's

21U M038730  
6112356

These were taken off the Helicopter GPS coordinates on scene.

Kimball

Kimball Vardy, Cpl.  
NCO i/c Makkovik Detachment  
P.O. Box 131  
Makkovik, NL.  
AOP 1J0  
(709)923-2317 (w)  
(709)923-2406 (f)

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**Questions and Answers  
Fire and Emergency Services – Newfoundland and Labrador  
Ground Search and Rescue/ Makkovik  
March, 2012**

Q: Who has responsibility for ground search and rescue in Newfoundland and Labrador?

A: The Provincial Government has responsibility for ground search and rescue and has an organized system which involves partnerships among police, local volunteer groups, air support, and federal assistance if necessary.

~~We take our responsibility for ground search and rescue very seriously and the system in place works well.~~ Police forces – as first responders – are the lead agencies in coordinating any search. When an individual is suspected missing the police force with jurisdiction assess and determines if search and rescue resources should assist in ground and inland water searches. Ground Search and Rescue (GSAR) organizations in the province are volunteer based though they are comprised of highly trained and experienced individuals.

We take our responsibility for ground search and rescue very seriously and the system in place works well.

Q: What resources does the Provincial Government provide for ground search and rescue?

A: Our government certainly recognizes the importance of search and rescue operations and we provide the Newfoundland and Labrador Search and Rescue Association an annual grant of \$75,000. In addition, we are now in year four of a six-year commitment to provide \$100,000 a year to fund Hovercraft and rigid-hulled boats to search and rescue operations.

Q: Why are we not investigating the Provincial Government's involvement in the search for Burton Winters in Makkovik?

A: My officials and I have reviewed the events of the search in Makkovik from the point of view of the protocols we operate withour perspective. I am satisfied that protocols and procedures were followed in this instance.

I am, however, interested in seeing if there is a need to further improve the system and my officials have since met with our partners, such as DND, the RCMP, RNC and other Provincial Government departments, in search and rescue to discuss our collective approach.

I am also awaiting a reply from Minister MacKay in response to my letter of February 10, 2012.

Q: What's the status of the letter you wrote to Federal Defence Minister Peter MacKay? Are you prepared to make that letter public?

A: -I have written to the Minister of National Defence with respect to the Makkovik incident ~~on this topic~~ to seek some further clarity of the events which occurred and particularly, the availability of aircraft to respond. In the letter, I have also asked for assurances that search and rescue helicopters stationed in this province by the Department of National Defence will be in a state of readiness when requested to participate in air search operations.

I am awaiting a response from the Minister, but I am certainly prepared to share that letter with the people of the Province once a reply has been received.

Q: Do you support a designated search and rescue center for Labrador?

A: The Provincial Government supports enhanced search and rescue resources throughout Newfoundland and Labrador. The province as a whole needs to be assured that the assets currently stationed here are in a state of readiness should the need arise, and Further, I believe ~~at this time~~ we need to ensure the functionality of the assets on the ground. We are continuing to examine the situation and while we are pleased that Minister MacKay has initiated a review of protocols ~~and we~~ are awaiting details and information from the federal government.

Q: What discussions have you had with the federal government on the matter of search and rescue in our province?

A: Premier Dunderdale has had a ~~direct~~ conversation with Minister MacKay to outline the concerns of the Provincial Government and the expectations of our residents.

As Minister Responsible for Fire and Emergency Services, I have written to the Federal Minister to seek some further clarity of regarding the events which occurred and particularly, the availability of aircraft to respond. In this letter I have asked for assurances that Search and Rescue helicopters stationed in this province by the Department of National Defence will be in a state of readiness when requested to participate in air search operations.

My colleague, Intergovernmental and Aboriginal Affairs Minister Nick McGrath has also written Minister MacKay on the matter.

Q: How does our ground search and rescue system compare to others across the country?

A: Our ground search and rescue system in Newfoundland and Labrador is comparable to those across the country. While each province enlists the assistance of volunteer ground search and rescue teams to assist in missing persons cases, they are always tasked and led by the responsible policing agency. ~~From east to west, north to south a~~Across Canada and in accordance with federal legislation, the provincial government is the only agency able to ask for federal assistance through Joint Rescue Co-ordination Centres.

These centres are located in:

- o -the Atlantic Region (Atlantic provinces, Quebec, and Northern areas above);
- o , Central (Ontario through Manitoba and North); and,
- o -West (British Columbia, Alberta, and Northern regions above).

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Q: Some have indicated that all other provinces have provincial helicopters for the provision of air services to ground search and rescue — is that true?

A: The vast majority of provinces and territories throughout Canada use government contracted helicopters to assist in GSAR.

~~However, in some instances, There are~~ policing agencies which have their own aircraft that can be tasked ~~for~~ to assist in searches. For example, in Ontario, the Ontario Provincial Police does have its own aircraft. In Alberta, the Calgary and Edmonton police forces have air assets, and in BC, the RCMP has available air assets as well. In the remaining provinces, government contract helicopters are used to assist in GSAR efforts.

Q: Why can't GSAR call directly to contract helicopters? Does the telephone chain not waste critical time that could be used searching?

A: In order to ensure the appropriate tasking of these critical aircraft, there has to be a protocol for mobilizing these assets in the province. The protocol as it exists works, and works well to mobilizing a response. All partners take responsibility for the role they play and are accountable to ensure that these resources are tasked appropriately.

As I have indicated, Provincial Government officials have met with DND and our provincial partners to review how we currently operate and determine if improvements can be made and future meetings are likely.

