

JRCC HALIFAX

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

### Briefing

Date – time group

25/08/21 16:04:47

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 )

AOC 013 CH146 sec sar task.txt  
01 01 312145Z JAN 12 RR RR UUUU AOC013

AOC WINNIPEG  
5 WG GOOSE BAY  
INFO

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

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.

UNCLAS

01 01 010301Z FEB 12 OO RR UUUU 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.

CAPT MARTIN BRISEBOIS

CAPT MARTIN BRISEBOIS

**UNCLAS**

**From:** [Peddle, Paul W.](#)  
**Sent:** February 3, 2012 8:36 AM  
**To:** JRCCHalifax@JRCC@Halifax  
**Subject:** Fw: Coordinates

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Capt. Harrison,  
As per your request.

Paul Peddle  
FES-NL

Sent Via BlackBerry

---

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

Paul,

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.

A0P 1J0

(709)923-2317 (w)

(709)923-2406 (f)

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**From:** [Felicity Ryan](#)  
**Sent:** February 1, 2012 6:41 PM  
**To:** JRCCHalifax@JRCC@Halifax  
**Subject:** Fwd: Missing person - Makkovik

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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)



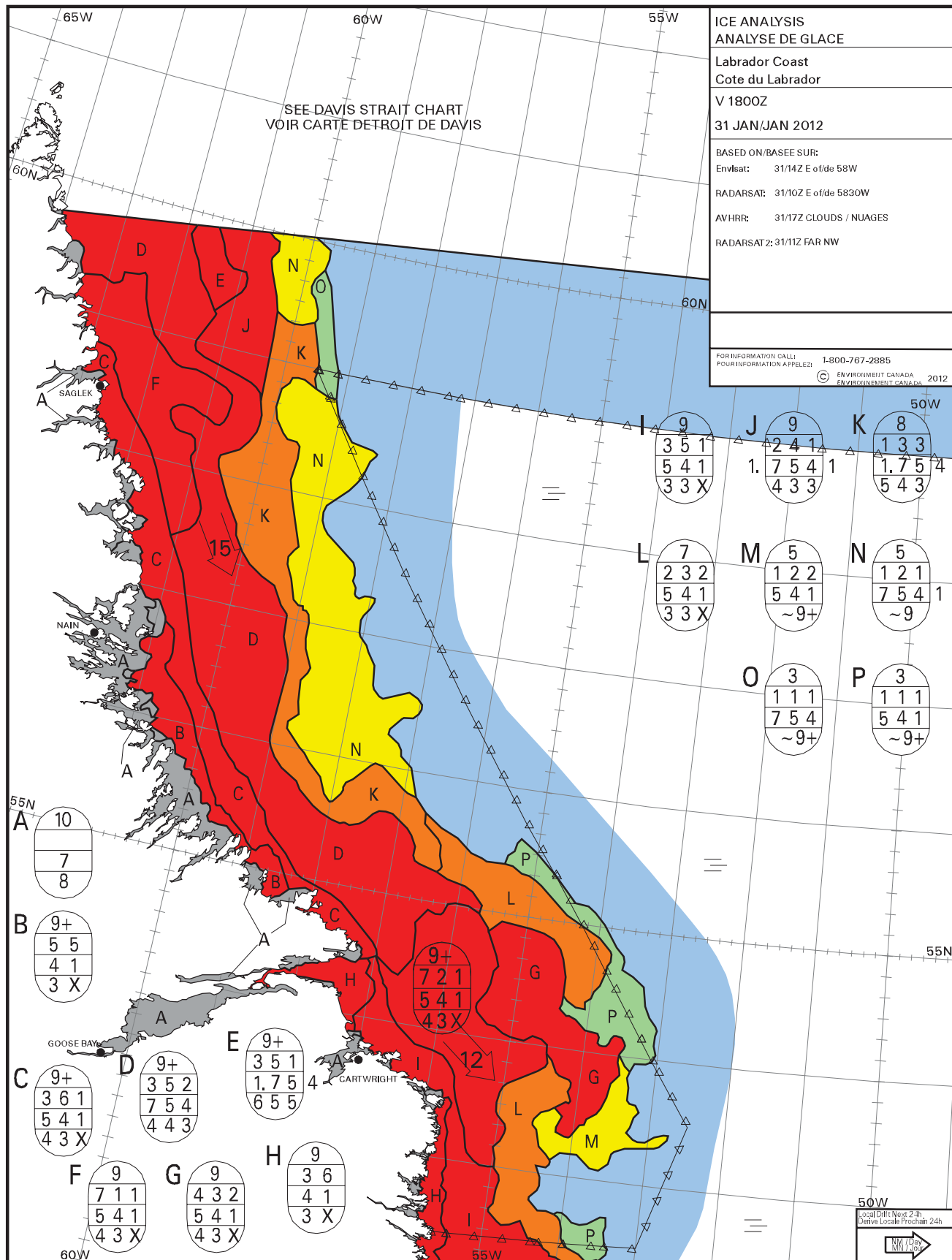
(709)923-2406 (f)



- <<GRAPHICS>>
- Case H2012-00140 (Makkovik)
  - Day 1
    - A1 R31 3000-1 FLIR
    - A2 R40 300-1 CLA
  - SRUs
    - GRIF 440 444
    - AUR 113 405
  - Incident Position
  - LKP Location
  - Airborne Reports
  - JRCC Halifax Layers
    - Air Layers
    - Areas and Zones
    - Marine Layers
    - INNAV
    - Misc Layers
    - VMS
  - Flare Sightings
  - Tracked Resources
  - Air Services
  - Marine Services
  - Oil Rig 1:20M
  - JRCC Halifax
    - Air Layers
    - Arctic Info
    - Areas and Zones
    - Cospas-Sarsat
    - Environmental info (ice, rivers...)
    - Marine Layers
  - DFO\_CCG
    - ATL\_Buoys\_Lights
    - CCG Lighthouses
    - Mar CGA
    - CCGA NL
    - Small Fleet
    - 47 foot Ranges (50nm)
    - Arun Ranges (100nm)
    - Bay Class Ranges (120nm)
    - IRB
    - IRB Zones
    - C&P Offices
    - CCGA Atlantic Regions
  - Oil\_Gas (use Res Tracker)
  - VMS Layers
  - Other Marine Resources
  - Radio Towers
  - INNAV
  - Misc Layers
  - Weather
  - Routes
  - Sightings
  - National and Prov Parks
  - SRR Boundary Group
  - Lat/Lon Grid
  - Cospas-Sarsat







WMO Colour Code - Concentration

Code de couleurs de l'OMM - Concentration

Ice Free  
Libre de glace

1-3/10

7-8/10

Fast Ice  
Banquise côtière

New Ice  
Nouvelle glace

< 1/10

4-6/10

9-10/10

Undefined  
Indéterminée

Nilas/Grey Ice  
Nilas/glace grise

65W

60W

Exhibit P-099

Page 12

# ICE ANALYSIS ANALYSE DE GLACE

Labrador Coast  
Cote du Labrador

V 1800Z

## 30 JAN/JAN 2012

BASED ON/BASEE SUR:

RADARSAT: 30/10Z W of 69W

RADARSAT: 2:29/22Z

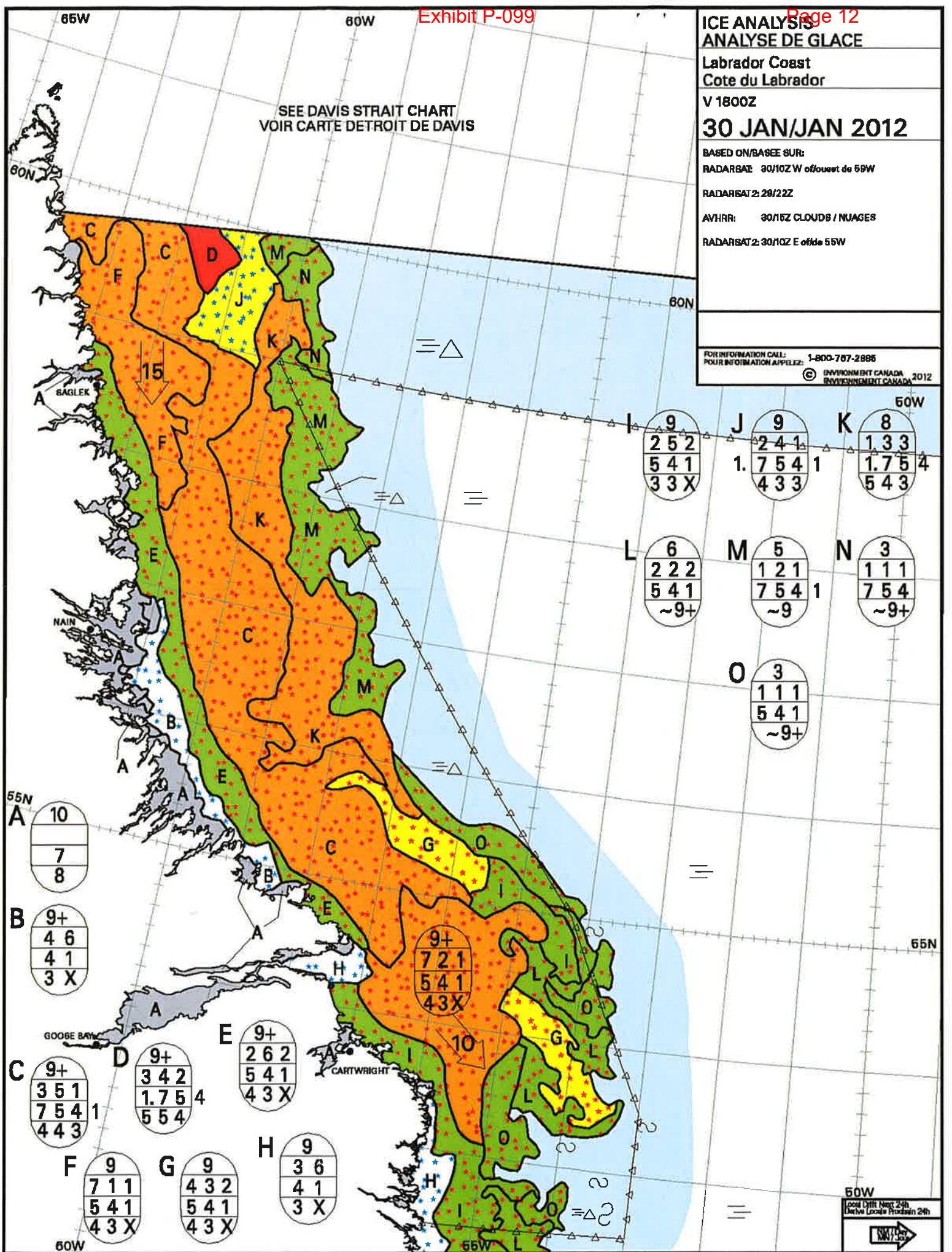
AVHRR: 30/15Z CLOUDS / NUAGES

RADARSAT: 2:30/10Z E of 65W

SEE DAVIS STRAIT CHART  
VOIR CARTE DETROIT DE DAVIS

FOR INFORMATION CALL: 1-800-787-2886

POUR INFORMATION APPELEZ: ENVIRONMENT CANADA  
ENVIRONNEMENT CANADA 2012



<b>I</b> 9 2 5 2 5 4 1 3 3 X	<b>J</b> 9 2 4 1 1. 7 5 4 1 4 3 3	<b>K</b> 8 1 3 3 1. 7 5 4 5 4 3
<b>L</b> 6 2 2 2 5 4 1 ~9+	<b>M</b> 5 1 2 1 7 5 4 1 ~9	<b>N</b> 3 1 1 1 7 5 4 ~9+
	<b>O</b> 3 1 1 1 5 4 1 ~9+	

<b>A</b> 10 7 8	<b>B</b> 9+ 4 6 4 1 3 X	<b>C</b> 9+ 3 5 1 7 5 4 1 4 4 3	<b>D</b> 9+ 3 4 2 1. 7 5 4 5 5 4	<b>E</b> 9+ 2 6 2 5 4 1 4 3 X	<b>F</b> 9 7 1 1 5 4 1 4 3 X	<b>G</b> 9 4 3 2 5 4 1 4 3 X	<b>H</b> 9 3 6 4 1 3 X
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60W

Local Chiff. Next 24h  
Service Local Prochain 24h



ICE ANALYSIS  
ANALYSE DE GLACE

Labrador Coast  
Cote du Labrador

V 1800Z

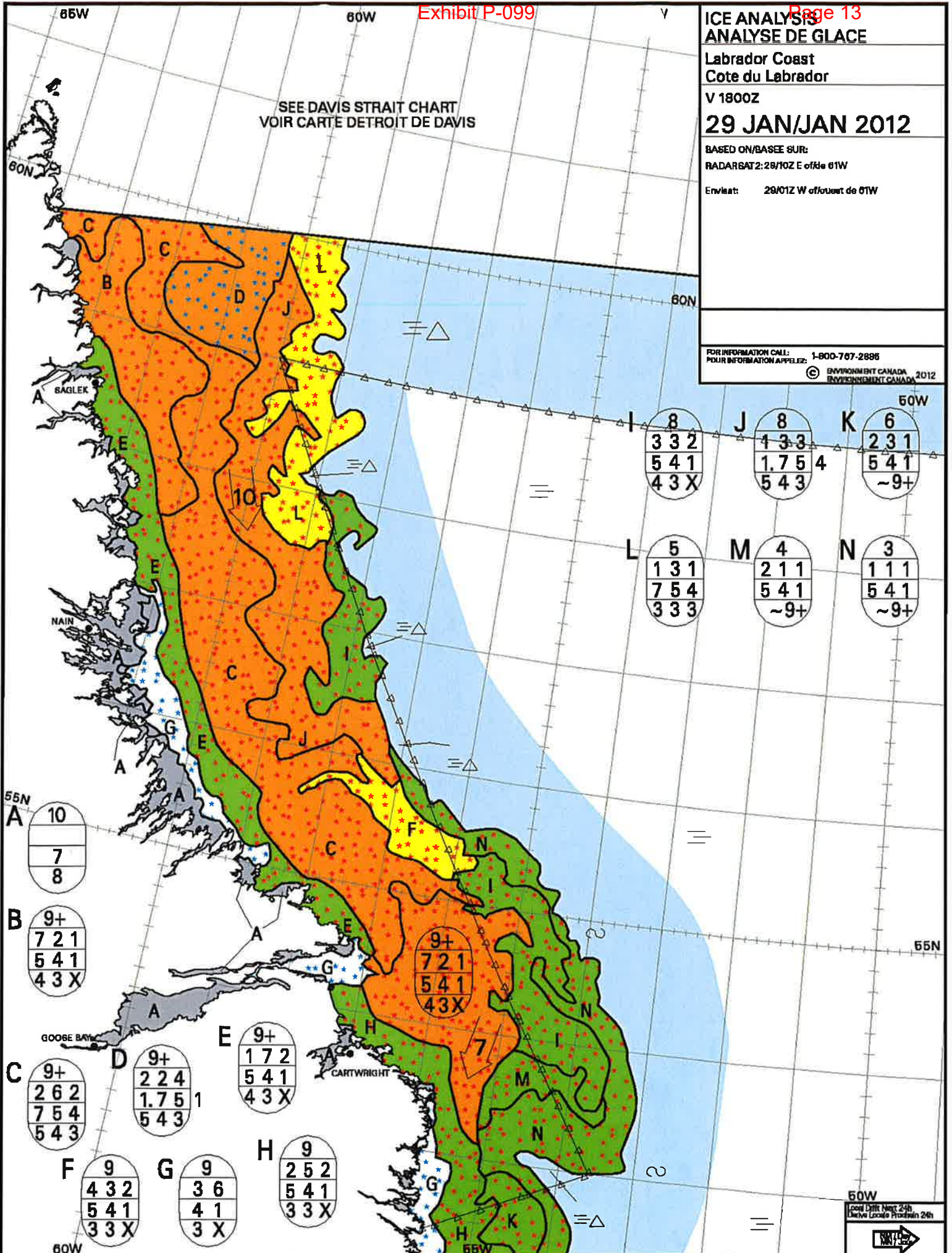
29 JAN/JAN 2012

BASED ON/BASEE SUR:  
RADARSAT 2:28/10Z E of/le 61W

Enviat: 29/01Z W of/ouest de 61W

SEE DAVIS STRAIT CHART  
VOIR CARTE DETROIT DE DAVIS

FOR INFORMATION CALL: 1-800-767-2886  
POUR INFORMATION APPELEZ: ENVIRONMENT CANADA  
ENVIRONNEMENT CANADA 2012



**From:** [ANDREW.MERCER@forces.gc.ca](mailto:ANDREW.MERCER@forces.gc.ca)  
**Sent:** January 31, 2012 9:32 PM  
**To:** [Steve.Chouinard2@forces.gc.ca](mailto:Steve.Chouinard2@forces.gc.ca); [14WOpsDutyMaj@forces.gc.ca](mailto:14WOpsDutyMaj@forces.gc.ca);  
[JEAN-PIERRE.LEVESQUE@forces.gc.ca](mailto:JEAN-PIERRE.LEVESQUE@forces.gc.ca); AOC Duty Officer;  
RJOCA); JRCCHalifax@JRCC@Halifax  
**Cc:** 14 Wing WOC  
**Subject:** New tasking CP140113

---

Update 2130L

CP140 113 tasked by RJOCA to new area and to report any unusual 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 B0P 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  
>

**From:** [Ali.Laaouan@forces.gc.ca](mailto:Ali.Laaouan@forces.gc.ca)  
**Sent:** January 31, 2012 5:56 PM  
**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





**From:** [JRCCHalifax@JRCC@Halifax](mailto: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

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**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

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

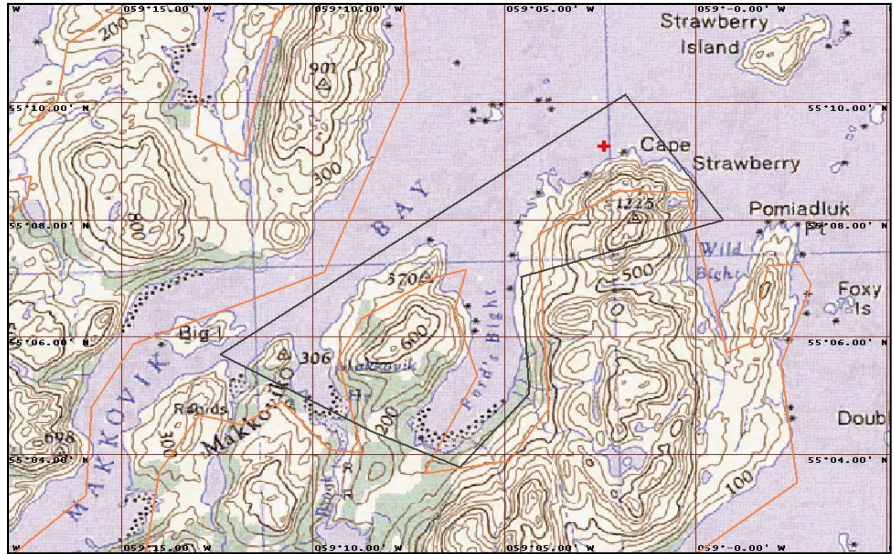
Télécopieur | Facsimile 902-427-2114

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# SAR BRIEFING REPORT

## R 40 444

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 Black snow pants Black/grey jacket. Red goggles  
No survival equipment  
Poor survival skills

**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

n/a

Route

n/a

## survival model.txt

----- 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