

King, Randy K

From: Greenan, Blair
Sent: August-20-13 5:37 PM
To: King, Randy K; Barthelotte, Jay; Hartling, Adam
Subject: FW: Notice to Mariners - Science Moorings Deployed

Please add to the mooring log book.

Thanks,
Blair

-----Original Message-----

From: NotShips, Port aux Basques
Sent: August-20-13 5:34 PM
To: Greenan, Blair
Subject: RE: Notice to Mariners - Science Moorings Deployed

Hi,
Yes here they are,
N1315/13 , N1316/13 , N1317/13

The notships are all active and on the web.

Lucas Roy
Port aux Basques MCTS

NOTSHIP N1315/13

NL - NORTHERN GRAND BANKS - FLEMISH CAP CHART(S)

"SCIENCE MOORING ON FLEMISH CAP"

1 SUBSURFACE SCIENCE MOORING, EXTENDING 1350 M FROM THE OCEAN FLOOR HAS BEEN DEPLOYED ON JULY 3RD, 2013 AT POSITION 48° 47.392' N, 045° 35.544' W, AT A DEPTH OF 1400 M. THE MOORING WILL BE RECOVERED BY END JULY 2014.

THE SUBSURFACE SCIENCE MOORING CONSISTS OF A YELLOW CAPSULE-SHAPED FLOAT AT 200 M DEPTH WHICH IS APPROXIMATELY 3 M LONG AND 1.5 M DIAMETER. THE MOORING ALSO CONTAINS 1 YELLOW SUB-SHAPED FLOAT AT 50 M DEPTH AND 3 YELLOW BUOYANCY PACKAGES BELOW 1000 M.

ANY QUERIES OR CONCERNNS SHOULD BE ADDRESSED TO:

BLAIR GREENAN
OCEAN AND ECOSYSTEM SCIENCES DIVISION
FISHERIES AND OCEANS CANADA
BEDFORD INSTITUTE OF OCEANOGRAPHY
P.O. BOX 1006, 1 CHALLENGER DR.
RTMOUTH, N.S. CANADA B2Y 4A2
902-426-9963 (OFFICE)
902-403-5968 (MOBILE)

NOTSHIP N1315/13

NL - NORTHERN GRAND BANKS - FLEMISH CAP CHART(S)

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902-426-9963 (OFFICE)
902-403-5968 (MOBILE)
EMAIL: BLAIR.GREENAN@DFO-MPO.GC.CA

042112UTC NOTSHIPS PORT AUX BASQUES/KS

NOTSHIP N1317/13

NL - NORTHERN GRAND BANKS - CHART(S)

"SCIENCE MOORING ON SACKVILLE SPUR"

1 SUBSURFACE SCIENCE MOORING, EXTENDING 1350 M FROM THE OCEAN FLOOR HAS BEEN DEPLOYED ON JULY 3RD 2013, AT POSITION 48° 21.817' N, 046° 31.661' W, AT A DEPTH OF 1400 M. THE MOORING WILL BE RECOVERED BY END JULY 2014.

THE SUBSURFACE SCIENCE MOORING CONSISTS OF AN ORANGE CAPSULE-SHAPED FLOAT AT 200 M DEPTH WHICH IS APPROXIMATELY 3 M LONG AND 1.5 M DIAMETER. THE MOORING ALSO CONTAINS 1 YELLOW SUB-SHAPED FLOAT AT 50 M DEPTH AND 3 YELLOW BUOYANCY PACKAGES BELOW 1000 M.

ANY QUERIES OR CONCERNES SHOULD BE ADDRESSED TO:

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EMAIL: BLAIR.GREENAN@DFO-MPO.GC.CA

042113UTC NOTSHIPS PORT AUX BASQUES/KS

NOTSHIP N1316/13

NL - NORTHERN GRAND BANKS - FLEMISH PASS CHART(S)

"SCIENCE MOORING IN FLEMISH PASS"

1 SUBSURFACE SCIENCE MOORING, EXTENDING 5 M FROM THE OCEAN FLOOR HAS BEEN DEPLOYED ON JULY 1ST 2013, AT POSITION 47° 05.756' N, 047° 16.879' W, AT A DEPTH 408 M. THE MOORING WILL BE RECOVERED BY END JULY 2014.

THE SUBSURFACE SCIENCE MOORING CONSISTS OF 2 YELLOW SUB-SHAPED FLOATS MOORED 5 M OFF THE OCEAN FLOOR IN 408 M DEPTH. BELOW THIS ARE 4 YELLOW BUOYANCY PACKAGES AND AN ACOUSTIC RELEASE.

ANY QUERIES OR CONCERN SHOULD BE ADDRESSED TO:

BLAIR GREENAN
OCEAN AND ECOSYSTEM SCIENCES DIVISION
FISHERIES AND OCEANS CANADA
BEDFORD INSTITUTE OF OCEANOGRAPHY
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EMAIL: BLAIR.GREENAN@DFO-MPO.GC.CA

042113UTC NOTSHIPS PORT AUX BASQUES/KS

Notice to Mariners: Newfoundland Region**“Science Mooring on Flemish Cap”**Area:

Flemish Cap, Northern Flank, Newfoundland

1X subsurface science mooring, extending 1350 m from the ocean floor.

- 48° 47.392' N, 045° 35.544' W, 1400 m depth

Description:

The subsurface science mooring consists of a yellow capsule-shaped float at 200 m depth which is approximately 3 m long and 1.5 m diameter. The mooring also contains 1 yellow sub-shaped float at 50 m depth and 3 yellow buoyancy packages below 1000 m.

Duration:

This mooring was deployed on July 4th, 2013 and will be recovered by the end of July 2014. This mooring was deployed using GGGS Hudson.

Contact:

Blair Greenan
Ocean and Ecosystem Sciences Division
Fisheries and Oceans Canada
Bedford Institute of Oceanography
P.O. Box 1006, 1 Challenger Dr.
Dartmouth, N.S. Canada B2Y 4A2
902-426-9963 (office)
902-403-5968 (mobile)
Email: blair.greenan@dfo-mpo.gc.ca

Notice to Mariners: Newfoundland Region**“Science Mooring on Sackville Spur”****Area:**

Sackville Spur, Northern Grand Banks, Newfoundland

1X subsurface science mooring, extending 1350 m from the ocean floor.

- 48° 21.817' N, 046° 31.661' W, 1400 m depth

Description:

The subsurface science mooring consists of an orange capsule-shaped float at 200 m depth which is approximately 3 m long and 1.5 m diameter. The mooring also contains 1 yellow sub-shaped float at 50 m depth and 3 yellow buoyancy packages below 1000 m.

Duration:

This mooring was deployed on July 3rd, 2013 and will be recovered by the end of July 2014. This mooring was deployed using CCGS Hudson.

Contact:

Blair Greenan
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Dartmouth, N.S. Canada B2Y 4A2
902-426-9963 (office)
902-403-5968 (mobile)
Email: blair.greenan@dfo-mpo.gc.ca

Notice to Mariners: Newfoundland Region

“Science Mooring in Flemish Pass”

Area:

Flemish Pass, Northern Grand Banks, Newfoundland

1X subsurface science mooring, extending 5 m from the ocean floor.

- 47° 05.756' N, 047° 16.879' W, 408 m depth

Description:

The subsurface science mooring consists of 2 yellow sub-shaped floats moored 5 m off the ocean floor in 408 m depth. Below this are 4 yellow buoyancy packages and an acoustic release.

Duration:

This mooring was deployed on July 1st, 2013 and will be recovered by the end of July 2014. This mooring was deployed using CCGS Hudson.

Contact:

Blair Greenan
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Fisheries and Oceans Canada
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902-403-5968 (mobile)
Email: blair.greenan@dfo-mpo.gc.ca

Notices to Mariners

Request that Notship be made **CONTINUOUSLY** until recovered

Maritimes: Tel: 902-564-7751 or 1-800-686-8676 Fax: 902-564-2446
(Sydney) Email: notshipssyd@mar.dfo-mpo.gc.ca

Tel: 902-426-3918 (Nick Palmer)
Fax: 902-426-8129
Send copy to : Email: nick.palmer@dfo-mpo.gc.ca
Email : richard.boyce@dfo-mpo.gc.ca

Newfoundland: Tel: 709-695-2133 Port aux Basques
Email: notshippax@dfo-mpo.gc.ca

Quebec Region : Tel : 418-648-5410 Fax : 418-648-7244
(Quebec City)

Central Region : Tel : 519-337-6360 Fax : 519-337-2498
(Sarnia)

Arctic Region: Tel: 867-979-5269 Fax: 867-979-4264
(Iqaluit)

Creation Date July 2013

Notship Number N1315/13 N1316/13, N1317/13

Cancellation Date _____

Notes: CREATED BY B. GREENHORN.

Placement

Mooring No. 1840
 Geographic Area: Sackville Spur Intended Duration 1 year
 Ship: CCGS HUDSON Mission No: HUD 2013-021 Date: 4 July 2013
 Weather/Sea Conditions: fog, light winds, 1-2 m sea
 Mooring Technician: Barthelott Type of Navigation: DGPS
 Latitude: 48° 47.2606N Longitude: 45° 35.9878W Time of Fix: 1201
 Main Float: Type: Syntactic Markings: No ID #
 Beacon: Type: Iridium (Xeos) I.D. # 300034012153420
 Mooring Line: Type: 1/4" jacketed steel Colour: yellow
 Release: Type: Benthos 965-A S/N: 59436 Release Code: _____ Frequency _____
 Sounding: 1408 m 47464

	LSR	Knudsen(3.5 khz)	Other
SV of Recorder	<u>1463 m/s</u>	<u>1470</u> m/s	_____ m/s
Initial Depth	_____ fms	_____ m	_____ m
Xducer Depth	_____ m	_____ m	_____ m
Initial + xducer	_____ m	_____ m	_____ m
Depth Corrected	_____ m	_____ m	_____ m
@ SV =	m/s	@ SV = m/s	@ SV = m/s

Placement Log

Time (Z)	Instrument	Remarks
1101	MC5831	in water
1104	Syntactic Float/ADCP + MC3506	in water
1113	RCM566/MC2305	in water
1121	RCM612/MC2306	in water
1127	RCM456/MC2307	in water
1131	RCM680/MC3062	in water
1141	RCM685/MC24HS	in water
1150	RCM684/MC2436	in water
1221		DN BOTTOM
		MCAC SV = 1470 m/s
		48 47.3918
		45 35.5435
		1381.6 m
		RMS 3.4

MOORING # 1840 GREENAN SACKVILLE SPUR JULY 2013



Recovery

Mooring No: M1840
Ship: Hudson Cruise No: Hud2014017 Date: July 7/14
Mooring Tech: Bartelotte
Type of Nav: GPS
Weather Conditions: 16 kts clear
Cancel Notship: Yes No

Recovery Log

Time(Z)	Instrument	Remarks
		Enable 59436 9:01 am
		Released 11:28
11:30		Subs on surface.
11:43		All buoyancy P on the surface.
12:06		Subs release float on deck
12:20	MC3506	on board
12:35	FS31	on board - bottom clamp slipped away subs on board
12:40	KCNS66/UC2350	bottom clamp slipped + RE
12:52	RCY6121/UC2306	on board
13:05	RCY4561/UC2307	on board
13:20	RCY6101/UC3062	on board bottom clamp slipped off subs on board
13:35	MC685/102	2415 on board
13:40	CS41	2436 on board subs on board
13:55		subs and release on board

Performance

Include below if the mooring was successful or not, any corrosion, Guard buoys missing, release operation, partial recovery, mooring not in original position, dragging, any equipment damaged or any other information.

Mooring No: _____

Placement

Mooring No. 1841

Geographic Area: Sackville Spur Intended Duration 1 year

Ship: CCGS Hudson Mission No: HUD2013-021 Date: 3 July 2013

Weather/Sea Conditions: Fog, Wind 10 kts, 2 m seas

Mooring Technician: Bartellette Type of Navigation: bGPS

Latitude: 48° 21' 45.67" Longitude: 46° 31' 53.30'W Time of Fix: 1357

Main Float: Type: Syntactic Markings: #10

Beacon: Type: Iridium (Xeos) I.D. # 300034012152420

Mooring Line: Type: 4" jacketed Colour: Yellow

Release: Type: Benthos S/N: 40080 Release Code: _____ Frequency _____

Sounding: 1406 m 59438

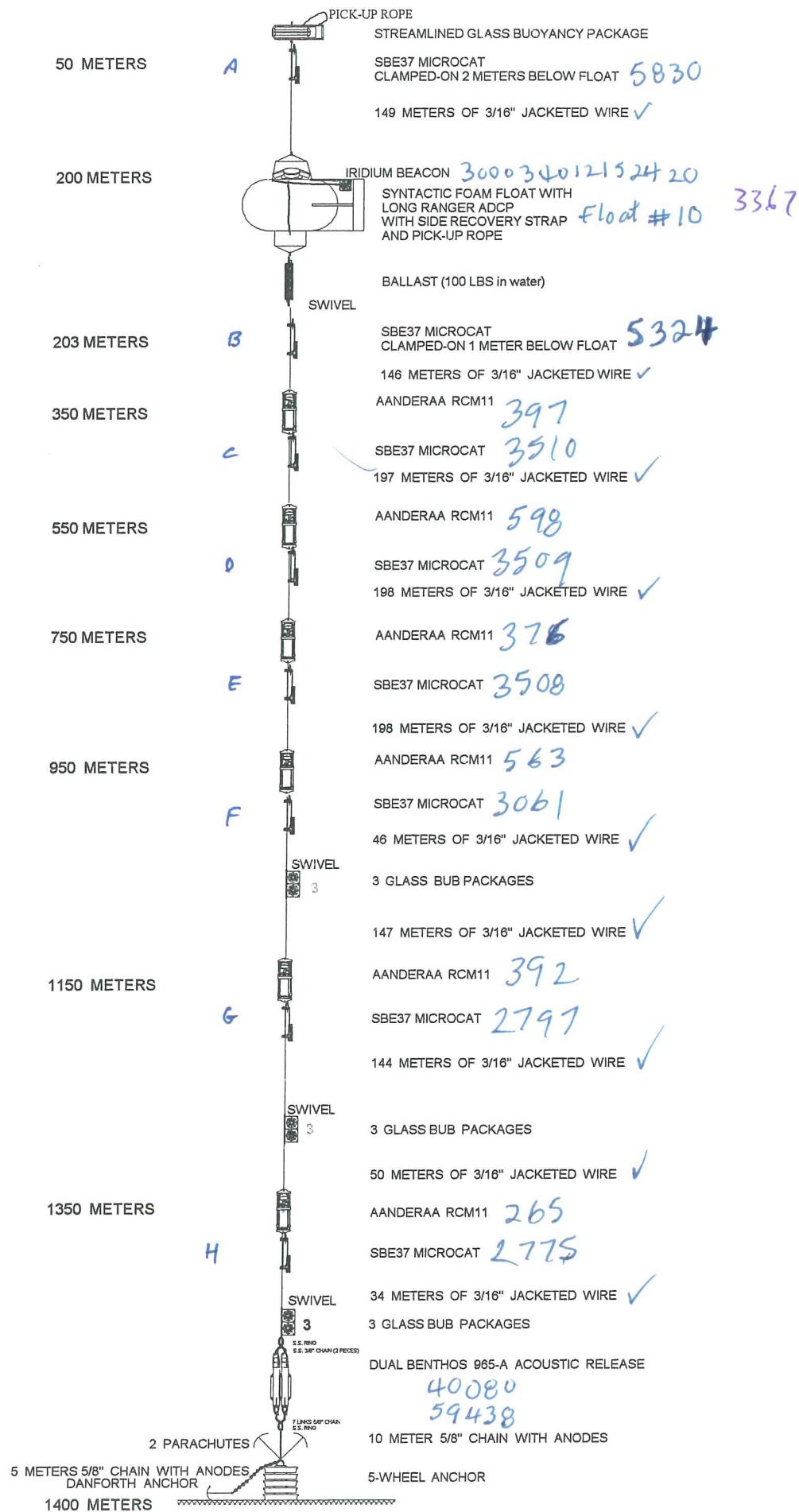
48 21.7607
46 31.8774

	LSR	Knudsen(3.5 khz)	Other
SV of Recorder	<u>1463 m/s</u>	_____ m/s	_____ m/s
Initial Depth	_____ fms	_____ m	_____ m
Xducer Depth	_____ m	_____ m	_____ m
Initial + xducer	_____ m	_____ m	_____ m
Depth Corrected	_____ m	<u>1400</u> m	_____ m
@ SV =	m/s	<u>1470</u> m/s	@ SV = m/s

Placement Log

Time (Z)	Instrument	Remarks
1234	MC5830	in water
1238	ADCP 3367	top long range in water
1238	MC5324	in water
1245	RCM (SN 397) MC3510	in water
1251	RCM598 /MC3509	in water
1258	RCM376 /MC3508	in water
1303	RCM563 /MC3061	in water
1312	RCM397 /MC2797	in water
1320	RCM265 /MC2775	in water
1356		Anchor released
		MCAL SV = 1470 m/s
		48 21.8169
		46 31.6605 1382 m
		rms 4.3

MOORING # 1841 GREENAN SACKVILLE SPUR JULY 2013



Recovery

Mooring No: 1841
 Ship: Hudson Cruise No: HUD201407 Date: July 9 / July 10
 Mooring Tech: Barthelotte
 Type of Nav: GPS
 Weather Conditions: 23 kts Fog
 Cancel Notship: Yes No

Recovery Log

Time(Z)	Instrument	Remarks
13:14		Enabled 59438
15:07		off for CTD - Fog + WIND
09:05	July 9	Enabled 59438 Fog + 5kt wind.
04:44		meal - start. New position 48 21.8250 60pt diffence 46 31.6575
15:15		meal end
15:40		Release
15:57	1st msg	medium pos 48.39276 -46.56614
15:56	2nd	gps pos @ 15:53 UTC 48.364697 -46.524102
16:10	Microcat under top sub's out of water	S/N 5830
16:42	LRADEC + Microcat S/N 5324 on deck	connected on NC
16:48	RCM II S/N 397 + Microcat S/N 3510 on deck	broke on rail
16:55	RCM II S/N 598 + Microcat S/N 3509 on deck	
17:00	RCM II S/N 376 + Microcat S/N 3508 on deck	
17:05	RCM II S/N 563 + Microcat S/N 3061 on deck	
17:13	RCM II S/N 392 + Microcat S/N 2797 on deck	
17:24	RCM II S/N 265 + Microcat S/N 2775 on deck	

Performance

Include below if the mooring was successful or not, any corrosion, Guard buoys missing, release operation, partial recovery, mooring not in original position, dragging, any equipment damaged or any other information.

Mooring No: _____

Placement

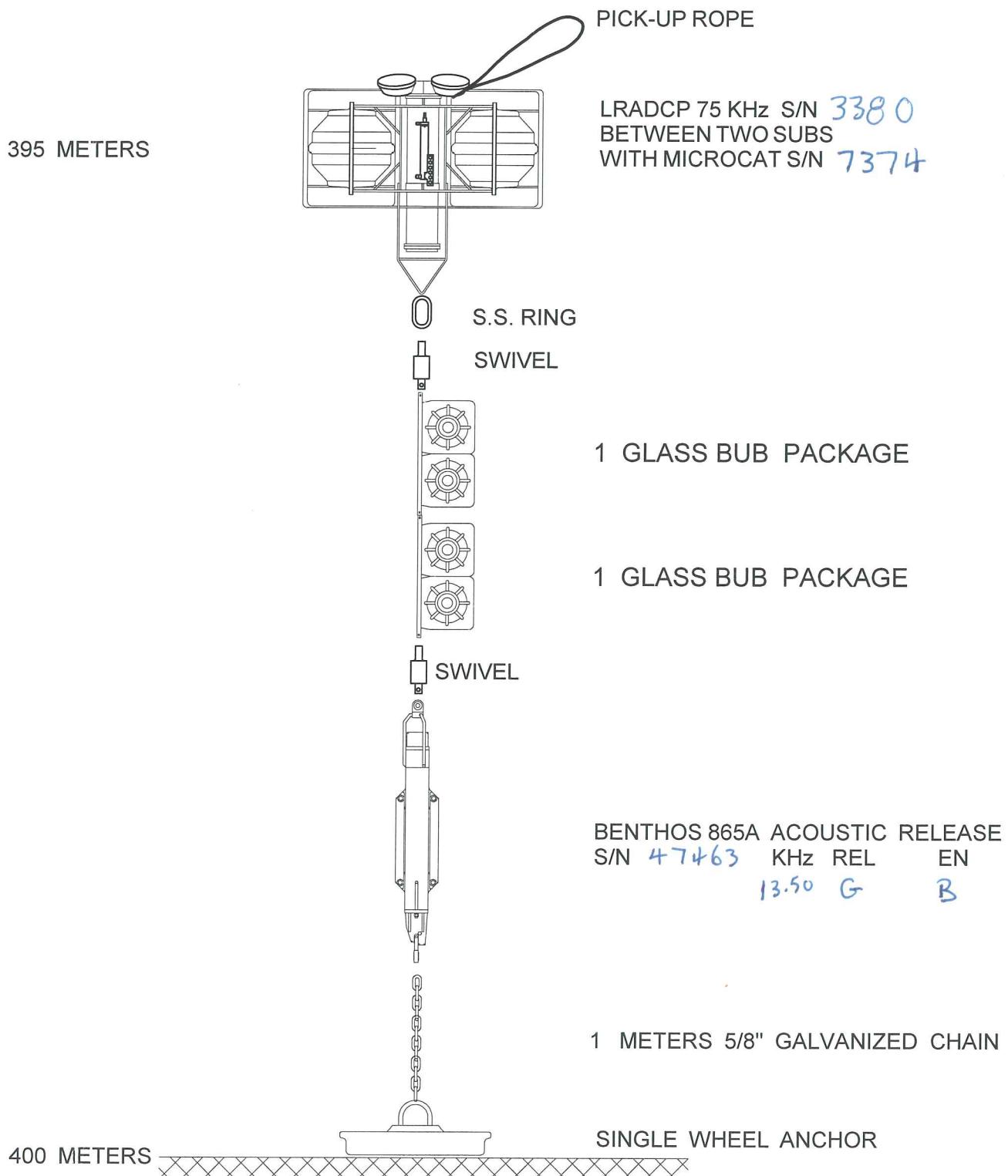
Mooring No. 1842
Geographic Area: Flemish Pass (West) Intended Duration 1 year
Ship: CCGS HUDSON Mission No: 2013-021 Date: 1 July 2013
Weather/Sea Conditions: Foggy, light winds
Mooring Technician: Barthelotie Type of Navigation: DGPS
Latitude: 47° 05.756N Longitude: 47° 16.879W Time of Fix: 1039 UTC
Main Float: Type: Two SUBS Markings: N/A
Beacon: Type: N/A I.D. #: N/A
Mooring Line: Type: N/A Colour: N/A
Release: Type: Benthos 865 S/N: 47463 Release Code: G Frequency 13.5 kHz
Sounding:

	LSR	Knudsen(3.5 khz)	Other
SV of Recorder	1463 m/s	_____ m/s	_____ m/s
Initial Depth	_____ fms	_____ m	_____ m
Xducer Depth	_____ m	6 m	_____ m
Initial + xducer	_____ m	_____ m	_____ m
Depth Corrected	_____ m	408 m	_____ m
@ SV =	m/s	@ SV = 1460 m/s	@ SV = _____ m/s

Placement Log

Time (Z)	Instrument	Remarks
1039	ADCP/MC	deployed from stern of the vessel. A bit of swell as it went in the water made the deployment a bit hurried at the end.
		Depth from 3.5 kHz sounder assuming sound speed A. 1460 m/s gives 408 m

MOORING # 1842 GREENAN SACKVILLE SPUR JULY 2013



Recovery

Mooring No: 1842
Ship: (t)udson Cruise No: Hud2014017 Date: July 11
Mooring Tech: _____
Type of Nav: _____
Weather Conditions: _____
Cancel Notship: Yes No

Recovery Log

Performance

Include below if the mooring was successful or not, any corrosion, Guard buoys missing, release operation, partial recovery, mooring not in original position, dragging, any equipment damaged or any other information.

Mooring No: _____