

HYDROGRAPHIC COMMISSION ON ANTARCTICA



HYDROGRAPHY PRIORITIES WORKING GROUP
HCA15 NITEROI, BRAZIL. JUNE 2018

Work completed since HCA14

- Review of paper chart and ENC scheme for Region M (*HCA15-07.4A*)
- Review of MSRs and updating of Survey Priorities lists (*HCA 15-07.3B*)
- Proposal to add one new MSR and amend one existing MSR to support new INT chart proposals (*HCA15-07.4A*)
- IAATO 2017/18 visitor statistics checked against MSRs and INT chart/ENC coverage
- Use of IAATO “real time” AIS to monitor vessel locations and deficiencies in navigational coverage.

Work completed since HCA14 cont'd

- HPWG tasking list for vessels to report on Navigational Aids
- Proposal to provide “quick reference” MSR graphic showing MSRs completed to modern standards
- Annual reminders!



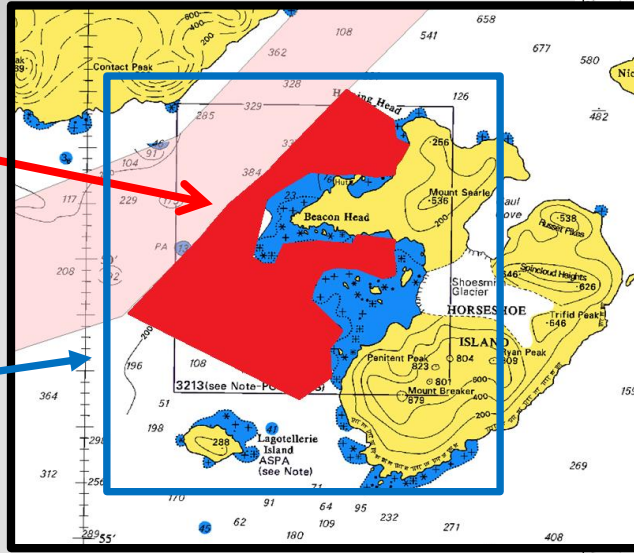
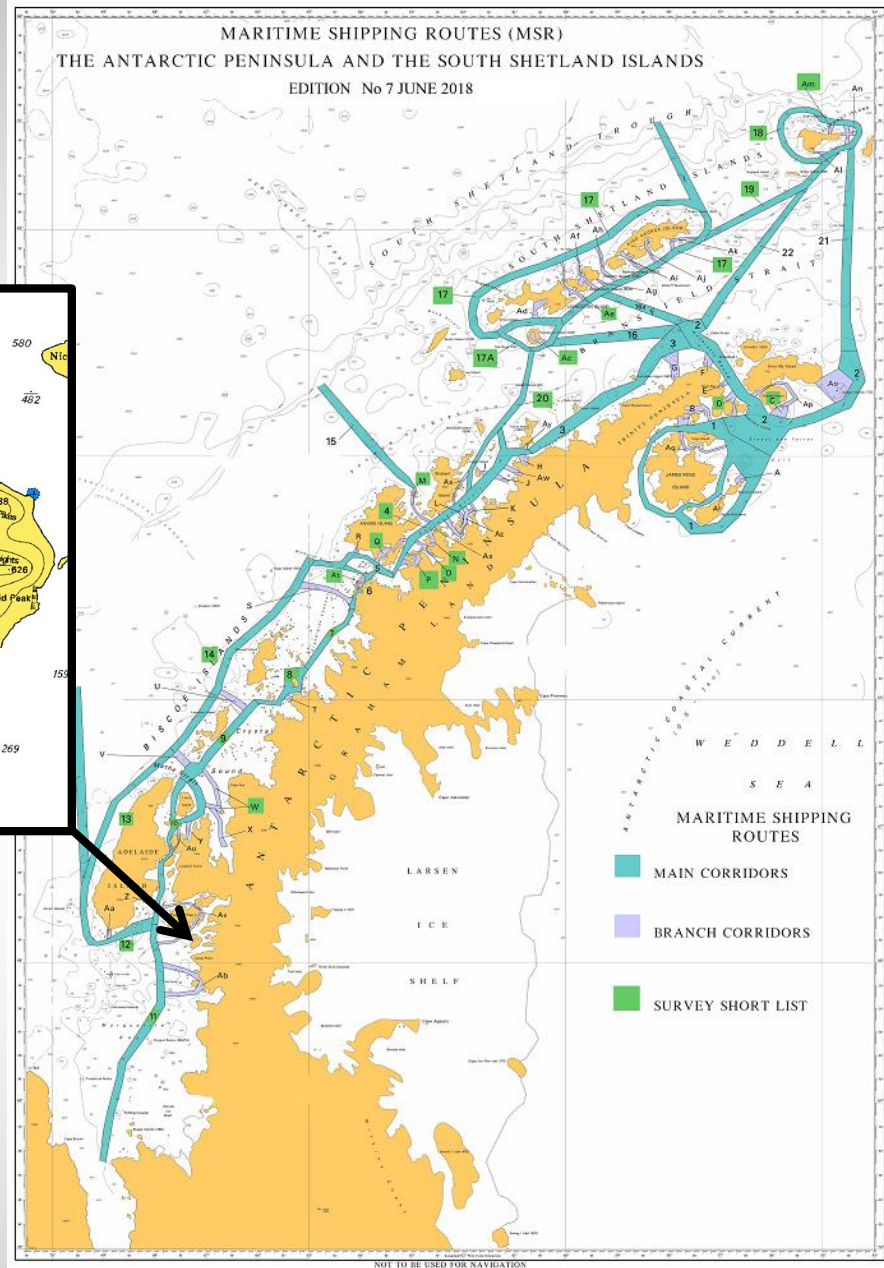
Proposal to add one new MSR to existing plan and priorities list (*HCA15-07.3B*) to support new INT chart proposals (*HCA15-07.4A*)

1. Horseshoe Island. Lystad Bay & Sally Cove

- New INT chart and ENC proposed
- Increased tourist vessel activity
- Refuge hut on Island



Horseshoe Island Lystad Bay & Sally Cove



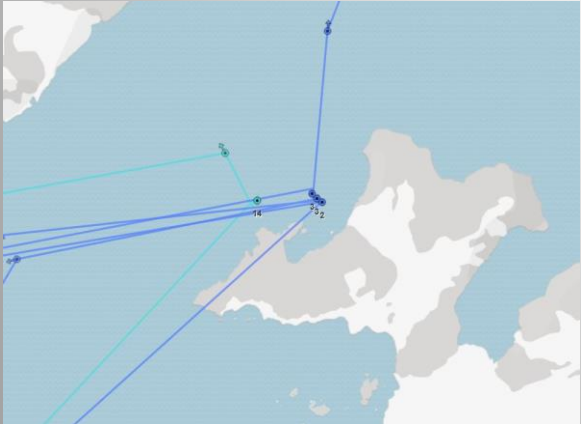
New MSR



Proposed new
INT chart



2017/18 AIS data



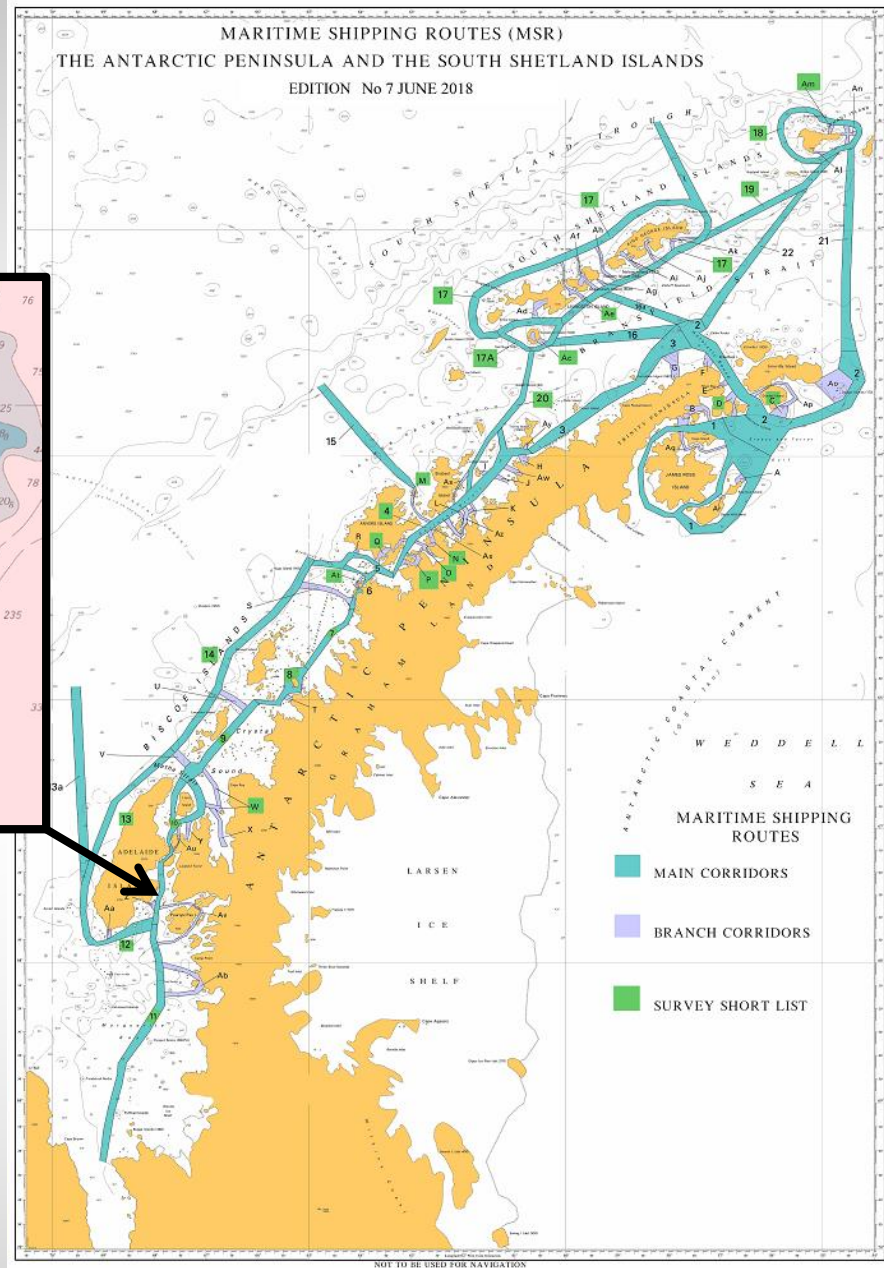
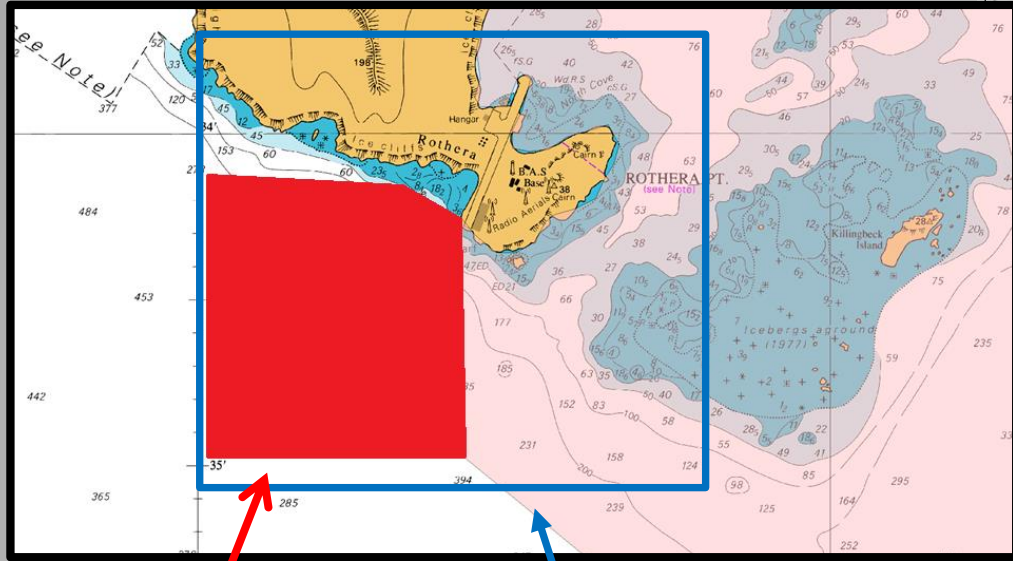
Proposal to amend MSR “Z” to support new INT chart proposal (*HCA15-07.4A*)

2. Biscoe Wharf and Approaches. Rothera Station

- New INT chart and ENC proposed
- Improved coverage for the extensive rebuilding of existing wharf to accommodate new British Antarctic vessel “RRS Sir David Attenborough”



Biscoe Wharf, Rothera Station



Extended MSR

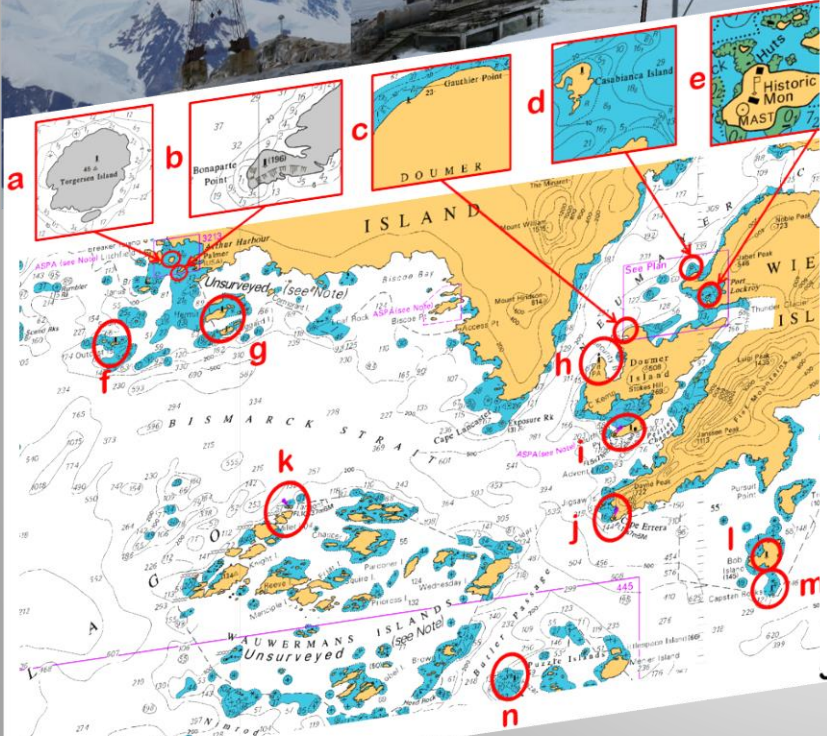
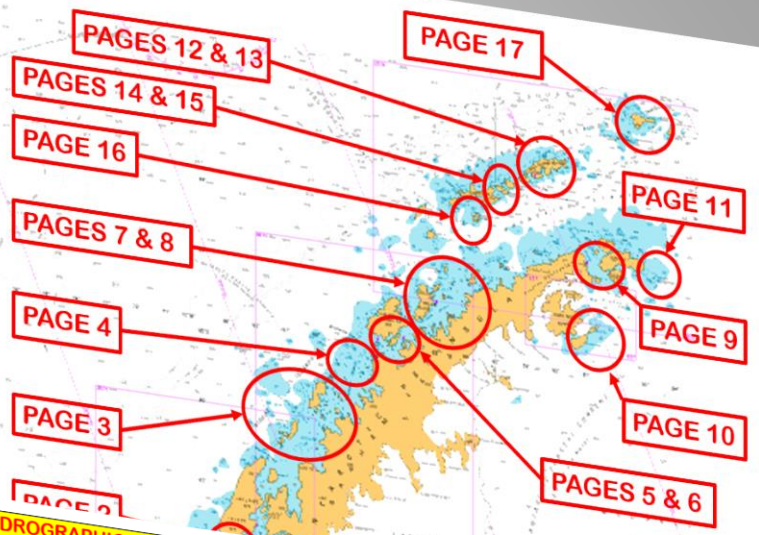
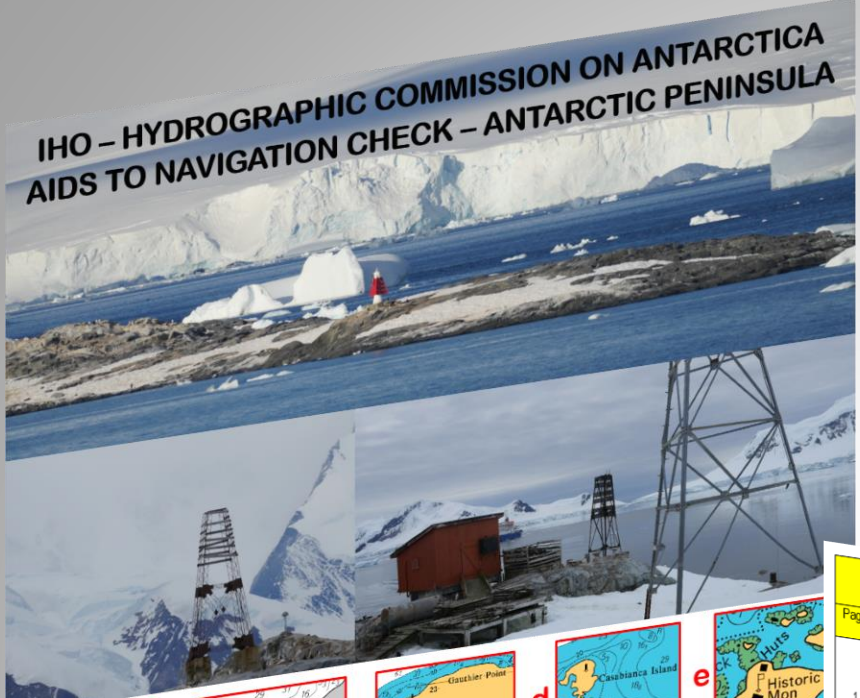
Proposed new INT chart



Navigational aids – do they exist and are there any more?

- For years charts have shown lights and beacons with very few reports of existence
- How can we keep the list of navigational aids current?
- The HPWG Chair has compiled a list of all lights and beacons in the Antarctic Peninsula.
- Member states to compare the list with their own chart coverage for a completeness check
- Once agreed, list to be issued to all vessels navigating these waters

IHO – HYDROGRAPHIC COMMISSION ON ANTARCTICA AIDS TO NAVIGATION CHECK – ANTARCTIC PENINSULA

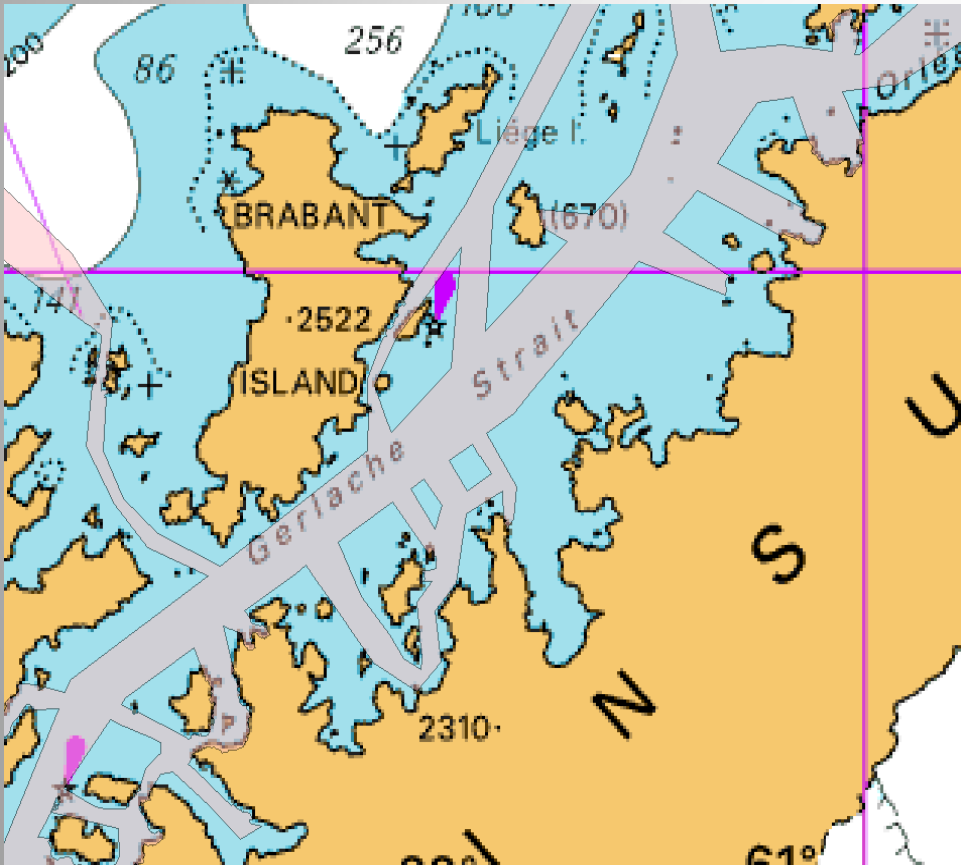


**INTERNATIONAL HYDROGRAPHIC ORGANISATION – HYDROGRAPHIC COMMISSION ON ANTARCTICA
AIDS TO NAVIGATION CHECK – ANTARCTIC PENINSULA**

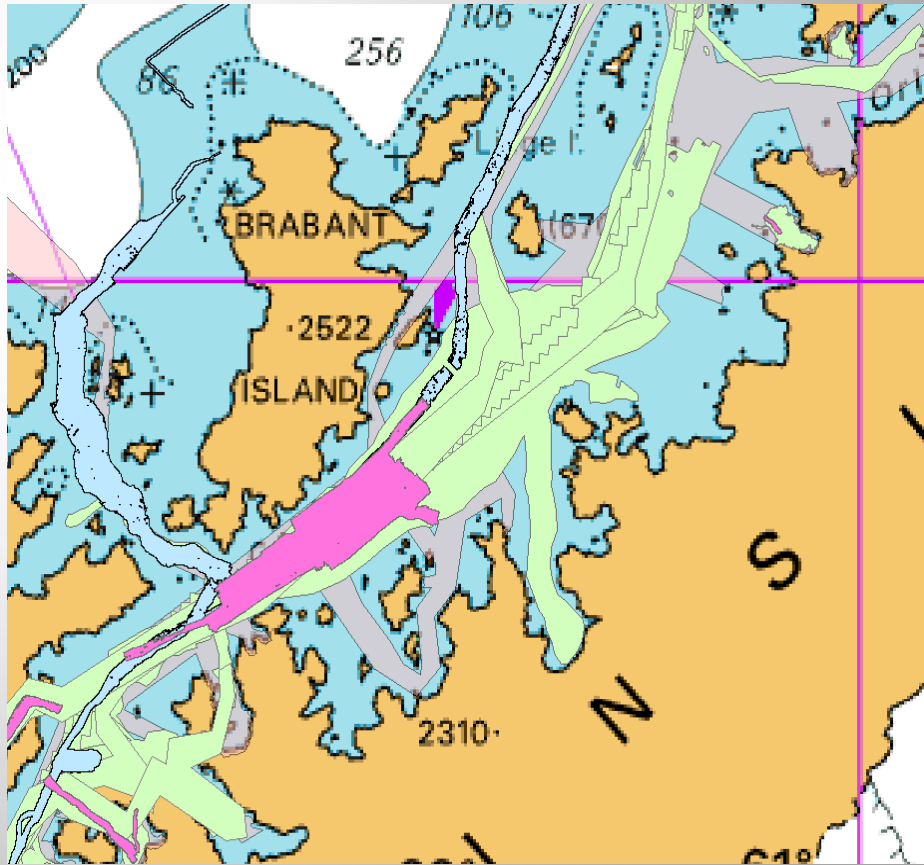
Page	Identifier	Description	Charted position	Existence Y or N	Checked ashore N or Y (amended position)	Light description (if applicable)	Photo Y or No	Comments
1	a	Beacon						
	b	Light - Fl 5s18m9M	68°10' 42S 067°15' 69W					
	c	Beacon - Yellow/orange	68°11' 75S 067°09' 49W					
	d	Beacon - Orange	68°12' 96S 066°57' 29W					
	e	Beacon - Yellow	68°11' 19S 066°59' 60W					
	f	Beacon - Yellow	68°08' 62S 067°03' 91W					
2	a	2 Masts/towers	68°08' 25S 067°06' 32W					
	b	Beacon Racon (B)	68°07' 81S 067°06' 82W					
3	a	Beacon	67°45' 65S 068°54' 85W					
	b	Beacon	67°46' 63S 068°53' 46W					
	c	Beacon/pole	65°56' 45S 066°01' 37W					
	d	Beacon/pole	65°53' 04S 065°52' 00W					
	e	Light - Fl 6s27m5M	66°00' 47S 066°08' 13W					
4	a	Beacon	66°23' 00S 067°10' 00W					
	b	Beacon	65°10' 08S 064°08' 47W					
	c	Beacon	65°10' 78S 064°08' 54W					
	d	Beacon	65°11' 07S 064°08' 79W					
	e	Beacon	65°12' 37S 064°04' 64W					
	f	Beacon	65°13' 29S 064°12' 52W					
	g	Beacon	65°13' 96S 064°13' 33W					
	h	Beacon	65°13' 96S 064°15' 66W					
	i	Beacon	65°14' 34S 064°15' 33W					
5	a	Beacon	65°14' 89S 064°15' 99W					
	b	Beacon	65°13' 96S 064°19' 88W					
	c	Beacon	64°46' 34S 064°04' 42W					
	d	Beacon	64°46' 69S 064°03' 97W					
	e	Beacon	64°50' 02S 063°34' 80W					
	f	Beacon	64°49' 84S 063°29' 43W					
	g	2 Beacons	64°48' 31S 064°08' 12W					
	h	Beacon Black	64°48' 14S 064°01' 10W					
	i	Light - Fl 5s71m5M (beacon close East)	64°50' 75S 063°36' 64W					
j	Light - Fl 13s7m5M	64°52' 88S 063°35' 62W						
k	Light - Fl 10s37m5M	64°54' 85S 063°35' 62W						
l	Beacon	64°53' 29S 063°56' 84W						
m	Beacon Yellowblack	64°56' 47S 063°25' 73W						
n	Beacon Yellowblack	64°57' 37S 063°25' 39W						
			64°58' 98S 063°42' 25W					

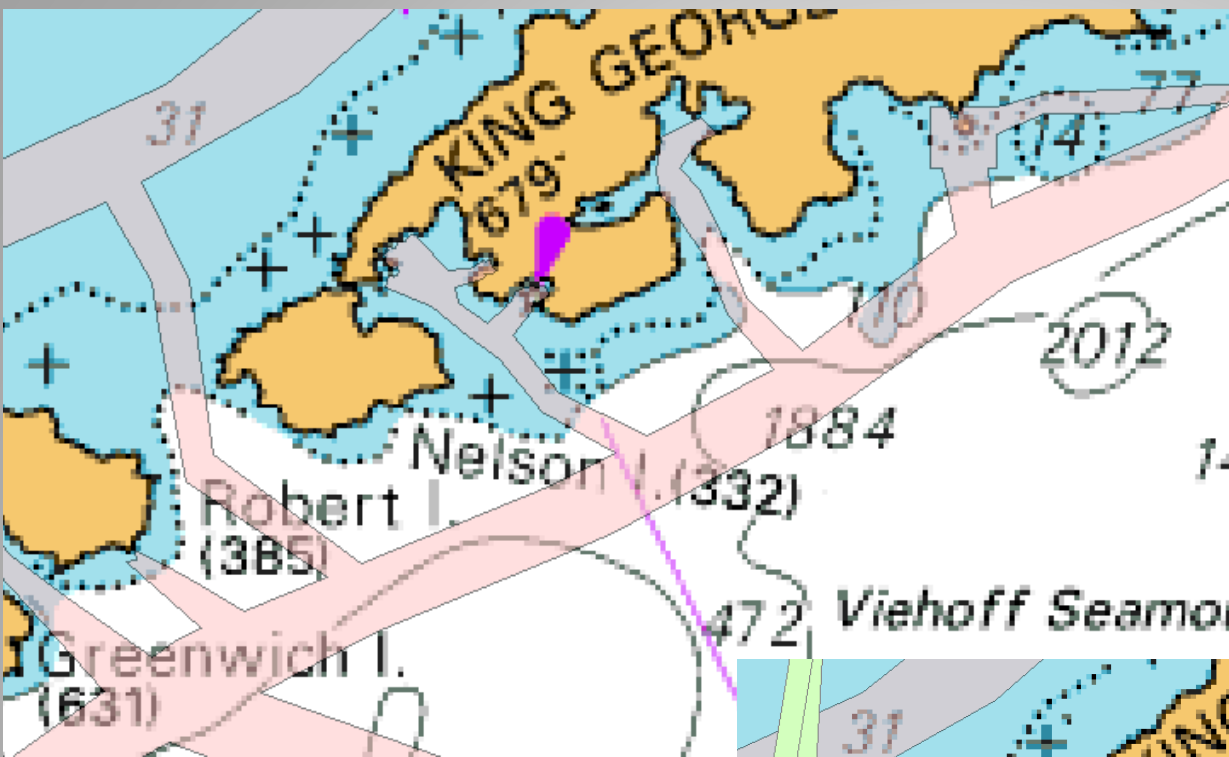
Proposal for additional MSR graphic/GIS package to show areas that have been surveyed to modern standards, indicating areas of routes that are complete. To be used in conjunction with Survey Priority Lists & IHO HCO GIS and to avoid duplication

Existing format for MSR 4



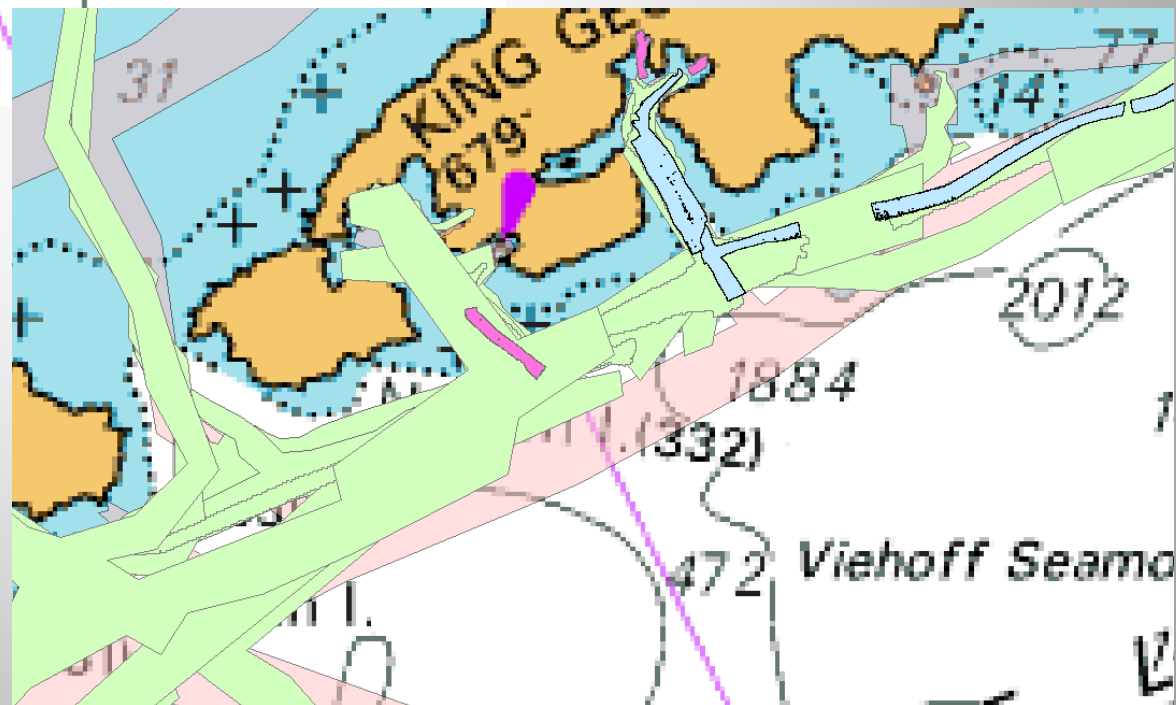
Proposed new format showing survey coverage for MSR 4

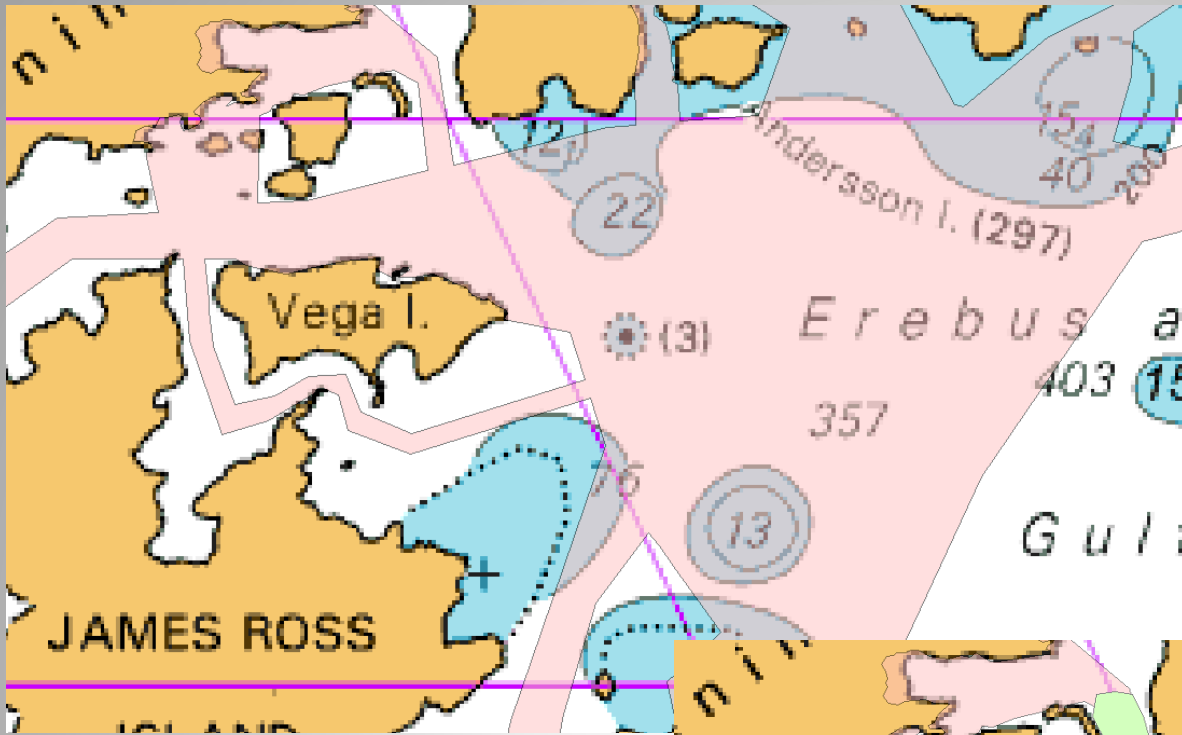




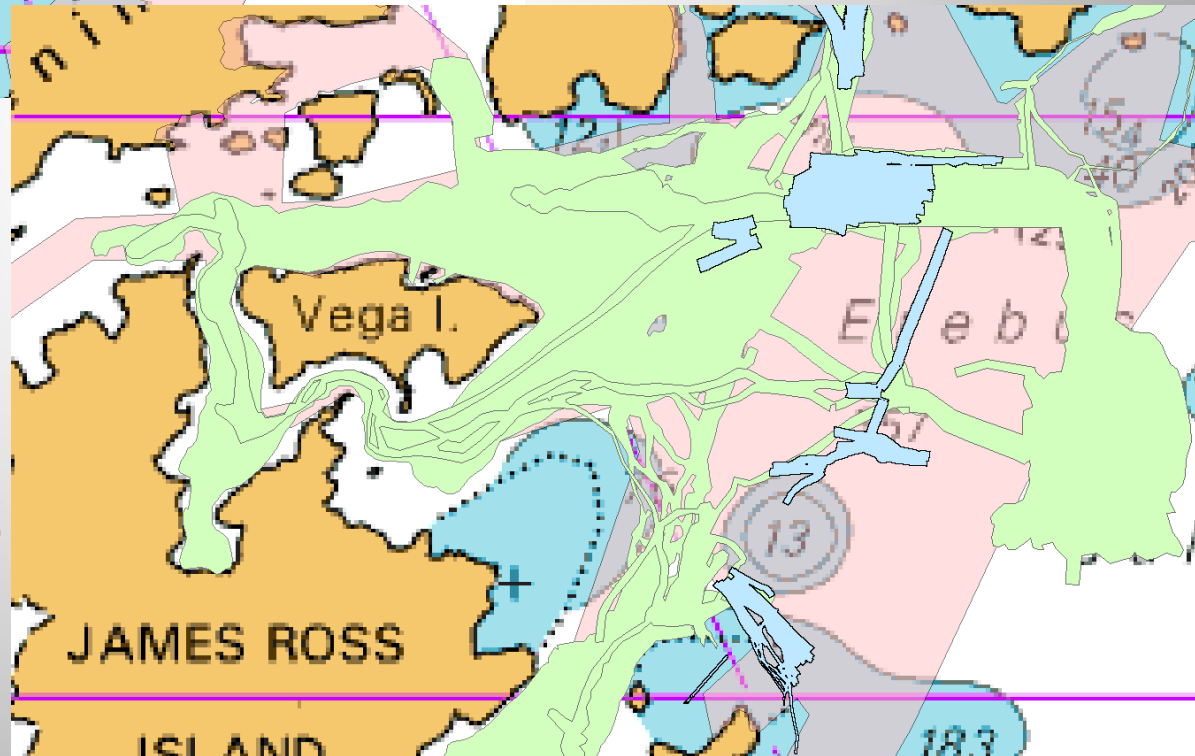
Existing format for MSR 17

Proposed new format showing survey coverage for MSR 17



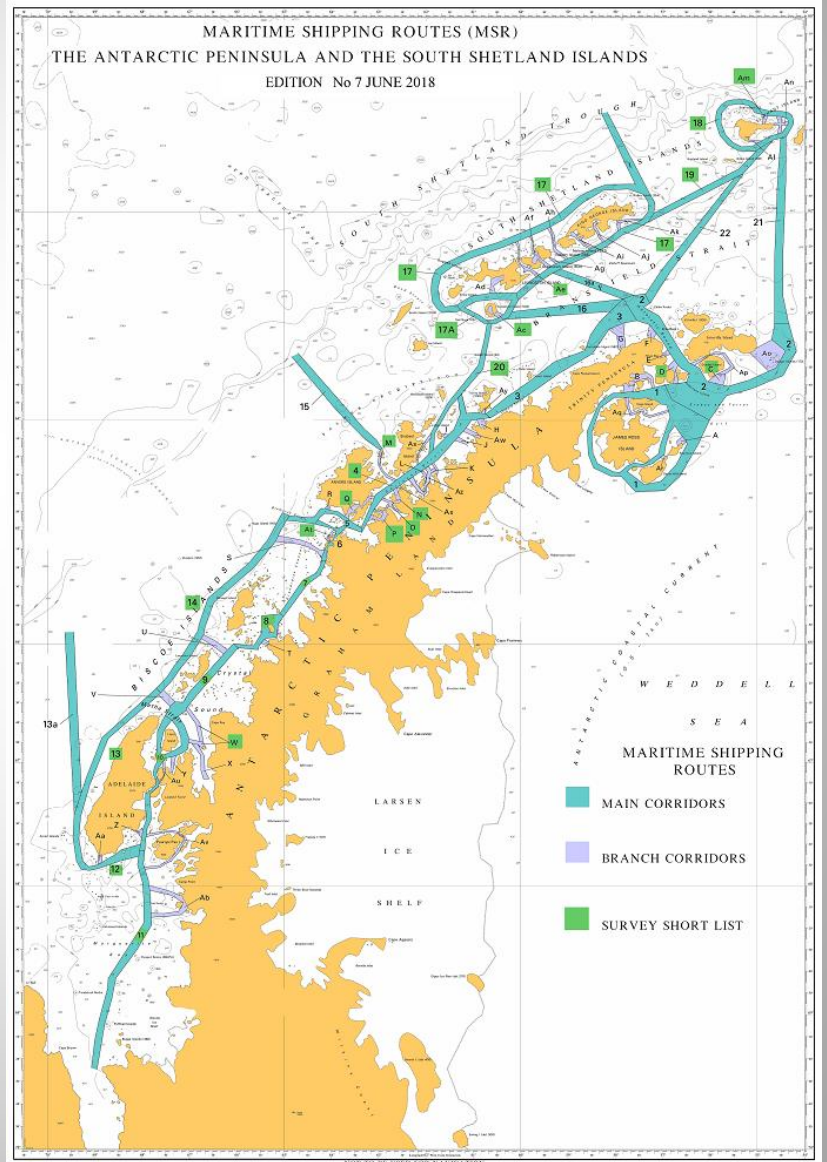
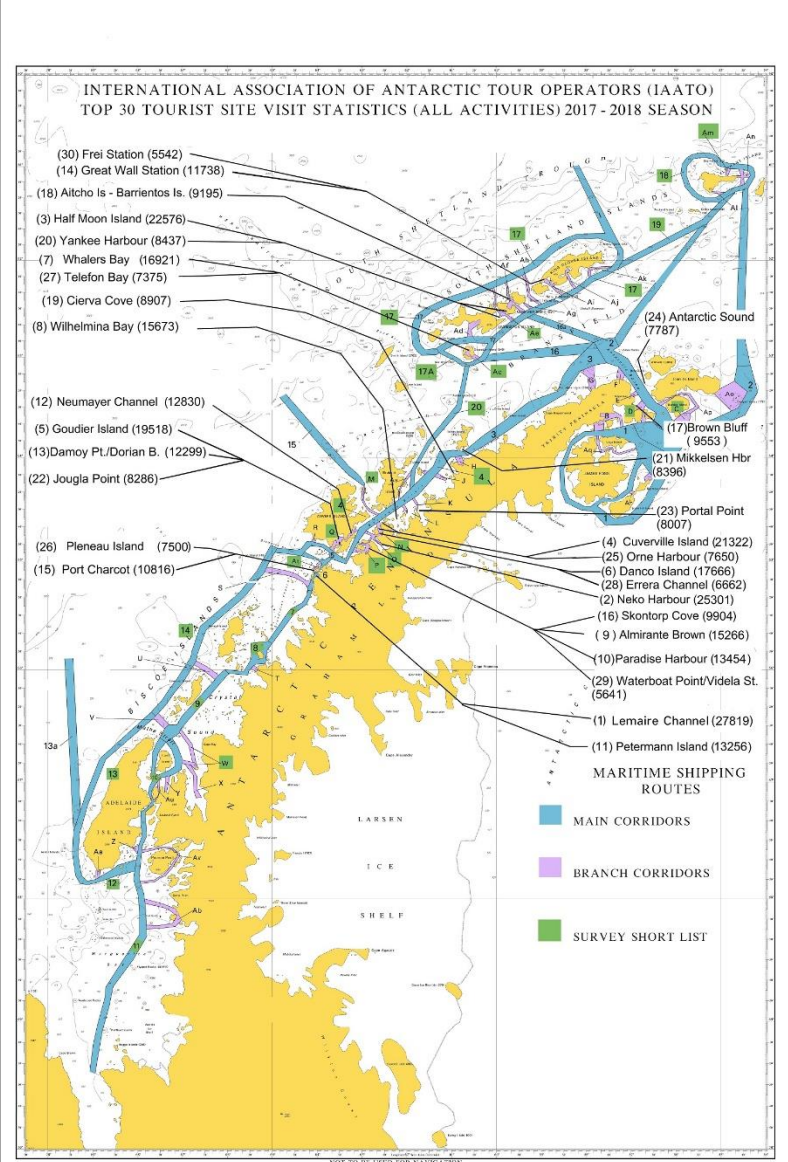


Existing format for MSR 1 & 2



Proposed new format showing survey coverage for MSR 1 & 2

Updated IAATO top 30 visit statistics for 2017/18 season compared against current MSR routes and priorities



ANNUAL REMINDERS

MS to supply HCA HPWG Chair of planned surveys

MS and Observers to encourage the use of the IHO Data Rendering Form

June 2010



IHO Collection and Rendering of Hydrographic Data Form (To be used by Ships of Opportunity-SOO¹ in Antarctica)

The objective of this IHO Form is to facilitate the provision of the essential information required by the appropriate National Hydrographic Office to make use of the hydrographic data collected by a SOO in Antarctica. The Form has four sections: General information, Hydrographic Surveying information, Navigational Aids and Ancillary information and Data Format.

This Form together with all the documentation should be completed and made available to the:

International Hydrographic Organization
4 quai Antoine 1er B.P. 445 MC 98011 Monaco Cedex, MONACO
Phone +377 93108100 Fax + 377 93108140 e-mail info@iho.int

SECTION 1 « General Information »

General Area	Antarctic Peninsula <input type="checkbox"/>	Antarctic Continent <input type="checkbox"/>	Other (Please specify) <input type="checkbox"/>
	South Orkneys <input type="checkbox"/>	South Shetlands <input type="checkbox"/>	
Location			
Name of Vessel			Draught : (in meters) <input type="text"/>
Name of Captain			Date : <input type="text"/>
OBSERVATIONS : (Note 1)	<input type="text"/>		

HCA12-07.1E

INTERNATIONAL HYDROGRAPHIC ORGANISATION



HYDROGRAPHIC COMMISSION ON ANTARCTICA REQUEST FOR BATHYMETRIC DATA

The Hydrographic Office of is about to commence a New Edition/New Chart of INT: ****

Chart limits	
North	<input type="text"/>
South	<input type="text"/>
East	<input type="text"/>
West	<input type="text"/>
Scale	<input type="text"/>
Datum	<input type="text"/>
Projection	<input type="text"/>
Central Meridian / standard parallel	<input type="text"/>
All data	<input type="text"/>
Data required since	DD/MM/YYYY
Date required by	DD/MM/YYYY

Data (nil returns required)

Source	Source date	Metadata (e.g. file format, horizontal datum, vertical datum, tidal corrections applied, singlebeam/multibeam, SV applied, digital or analogue, etc.)

Supplied by the Hydrographic Office of

Date:

MS to remember to use “Request for Bathymetric Data” form when commencing INT chart production