

HYDROGRAPHIC COMMISSION ON ANTARCTICA



HYDROGRAPHY PRIORITIES WORKING GROUP
HCA16 PRAGUE, CZECH REPUBLIC JULY 2019

Work completed since HCA15

- Review of paper chart and ENC scheme for Region M (*HCA16-07.4A*)
- Review of MSRs and updating of Survey Priorities lists (*HCA 16-07.3B*)
- Proposal to add one new MSR to support new INT chart proposals (*HCA16-07.4A*)
- IAATO 2018/19 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 HCA15 cont'd

- HPWG collation of submissions to the list for vessels to report on Navigational Aids
- New survey activity
- 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*)

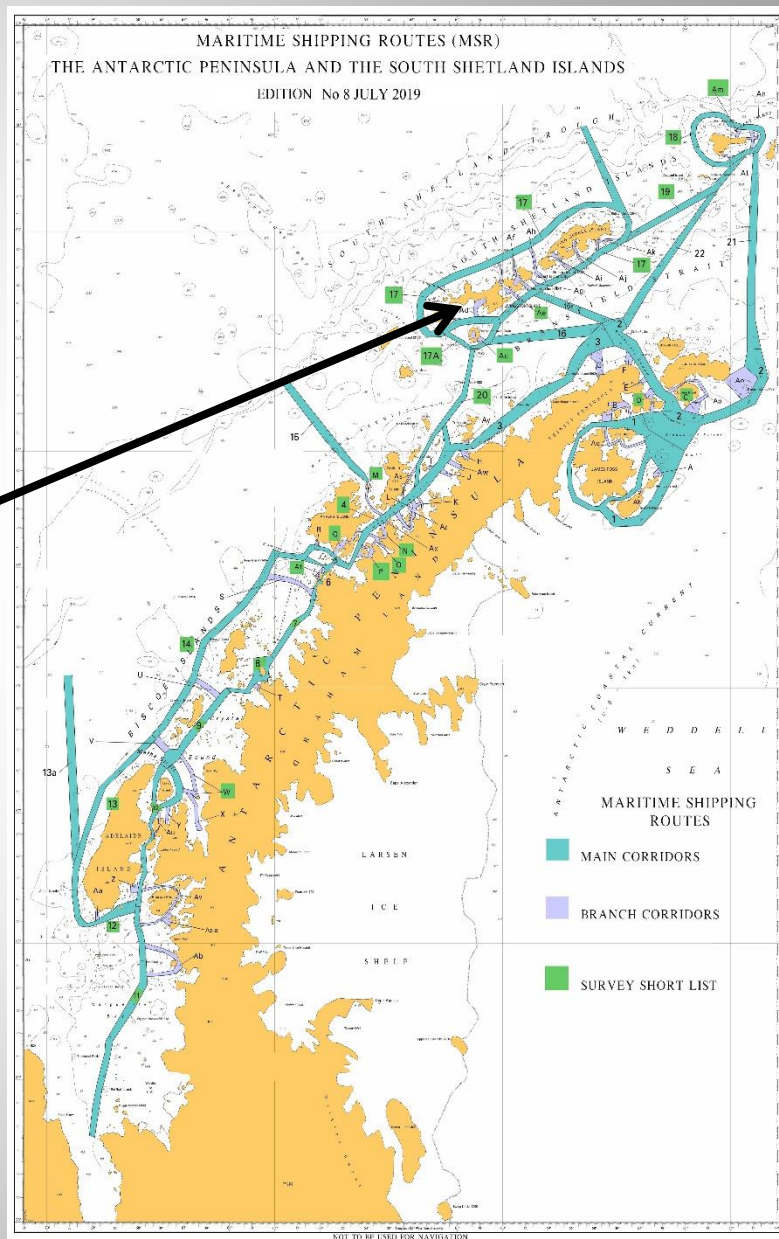
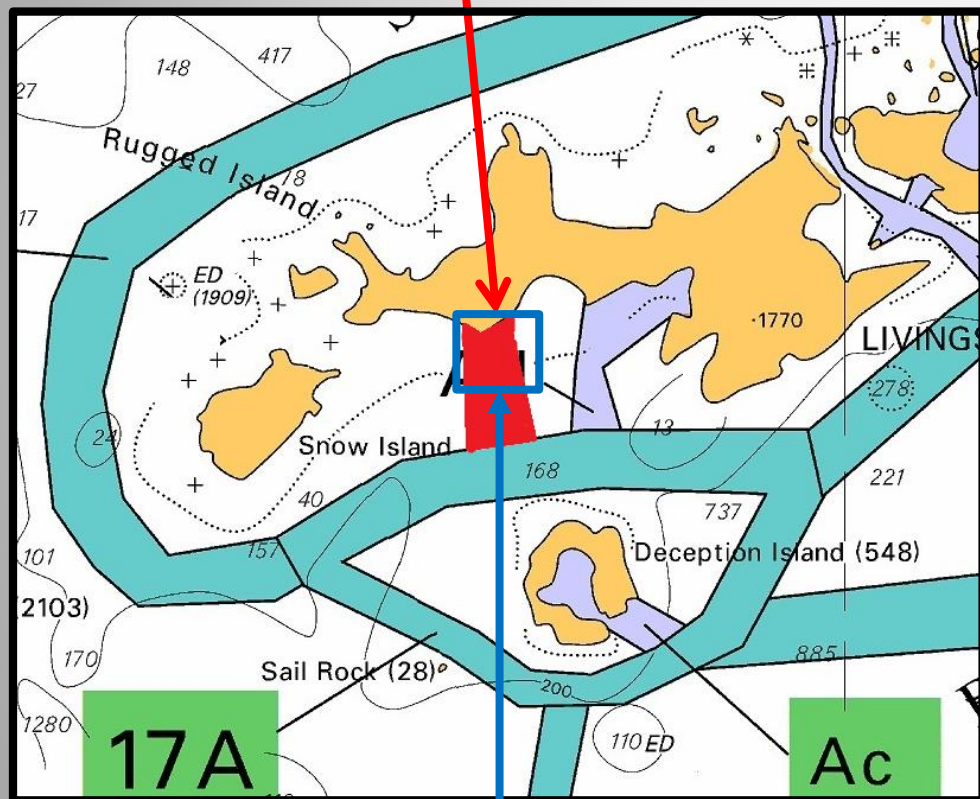
Elephant Point, Livingston Island, South Shetlands.

- New INT chart and ENC proposed
- Increased tourist vessel activity
- Currently not charted at a safe scale.



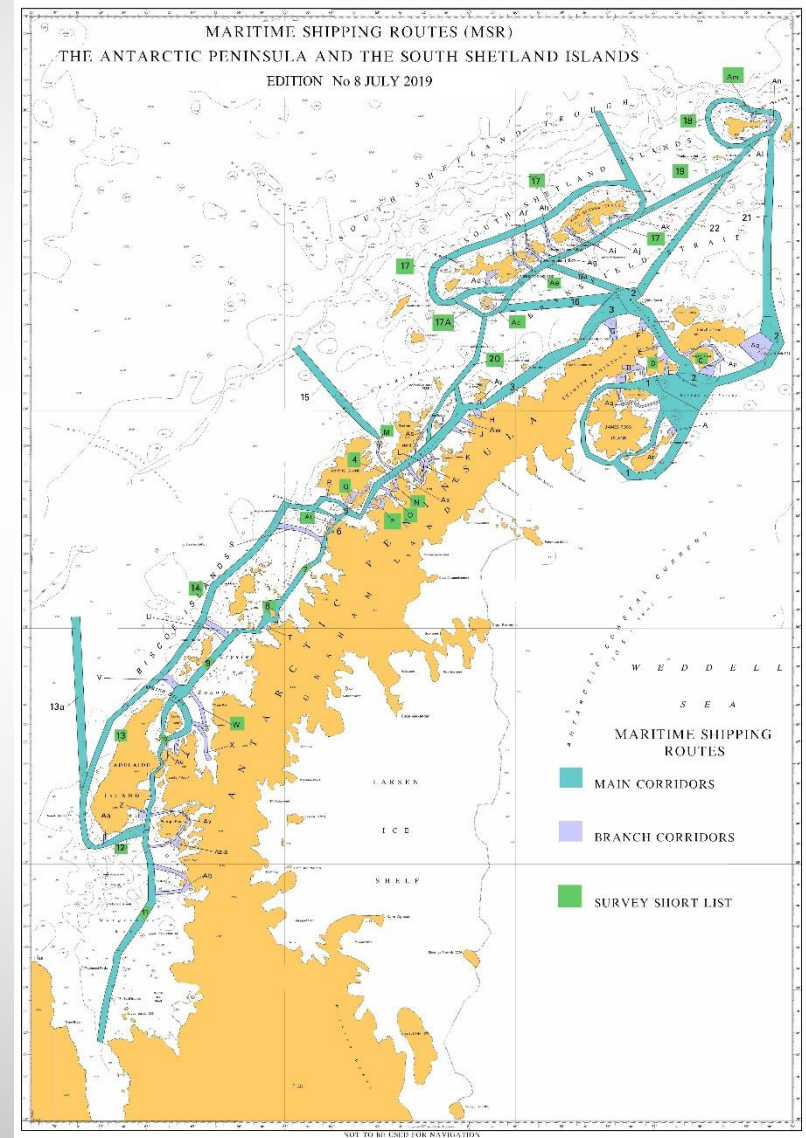
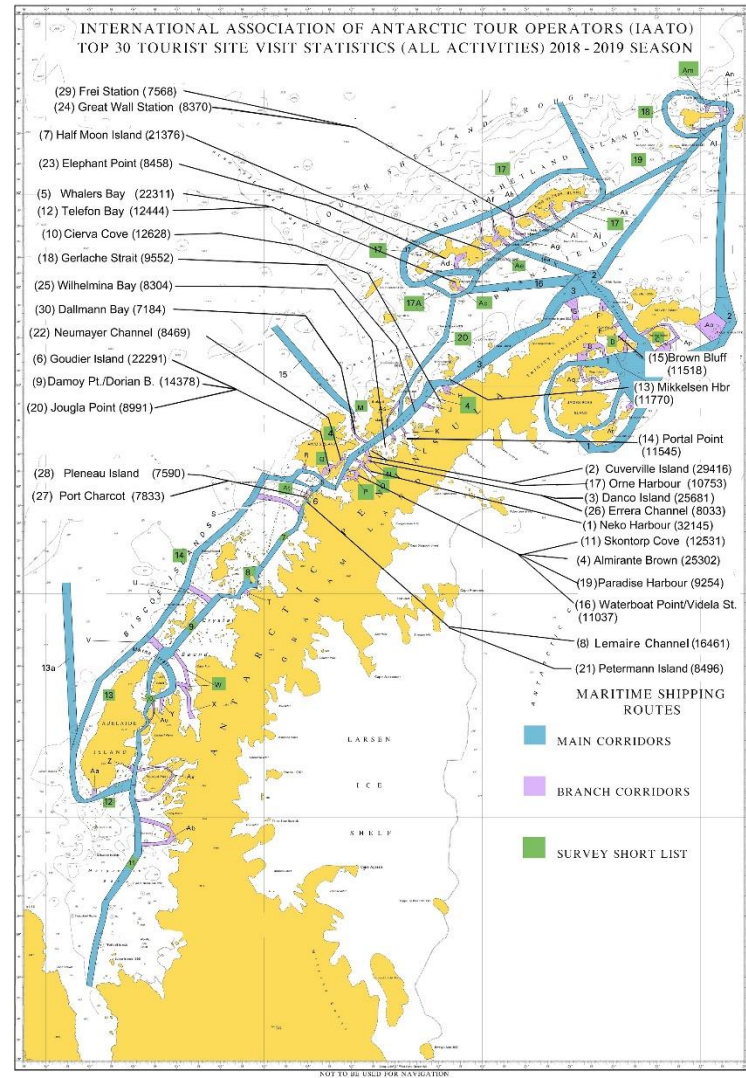
Elephant Point and approaches

New MSR

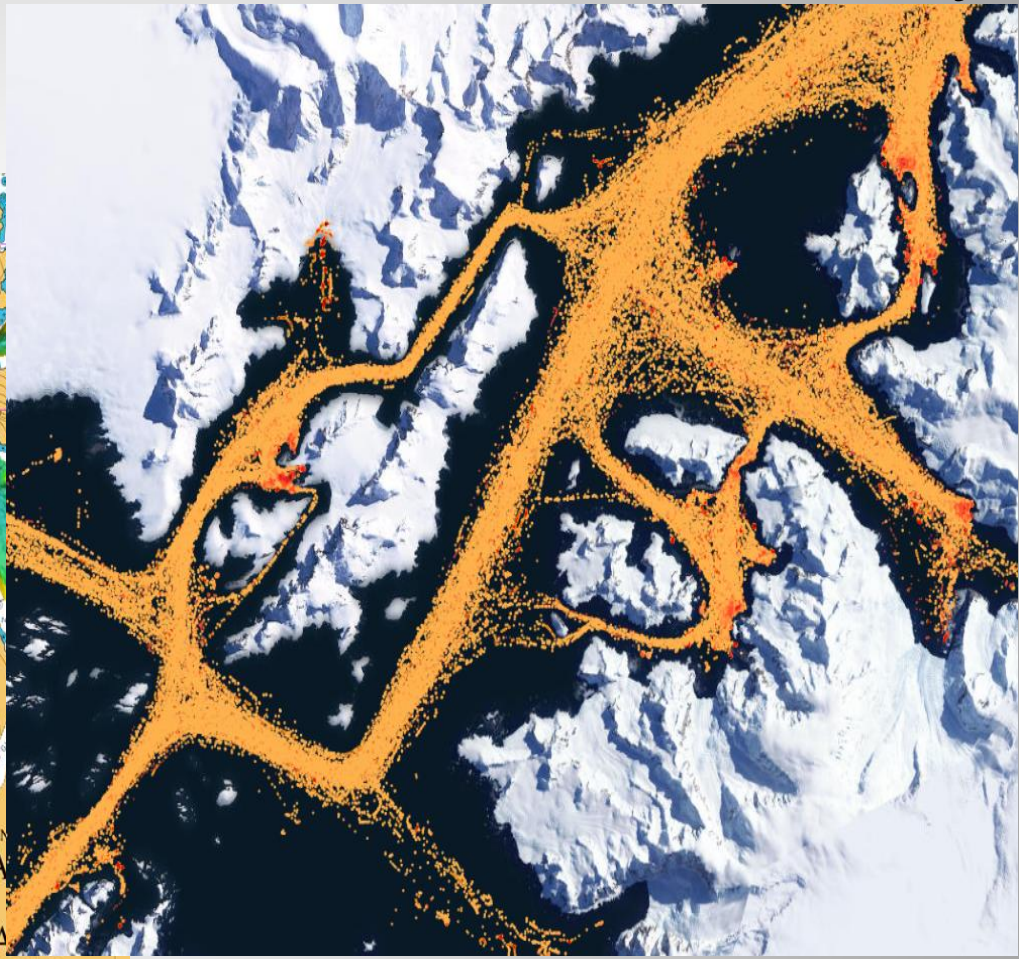
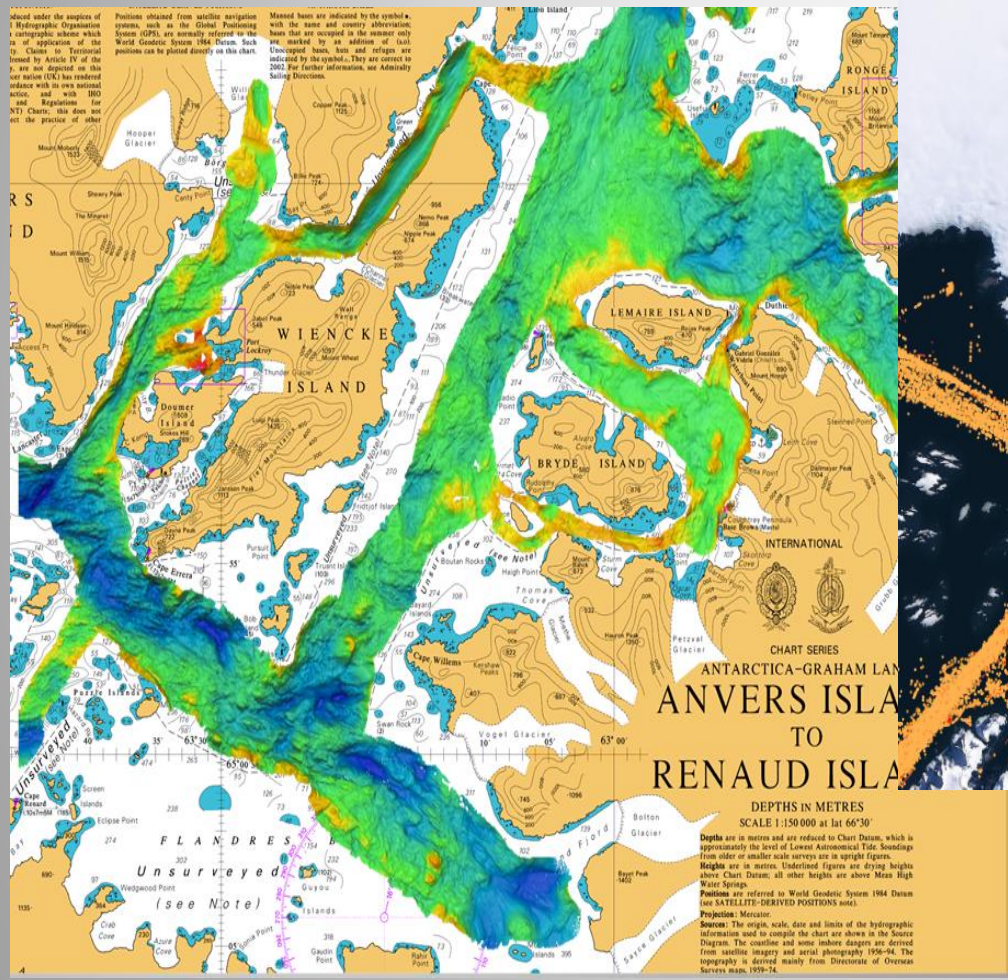


Proposed new INT chart

Updated IAATO top 30 visit statistics for 2018/19 season compared against current MSR routes and priorities



IAATO AIS data checked annually against existing MSRs, chart coverage and modern MBES survey data







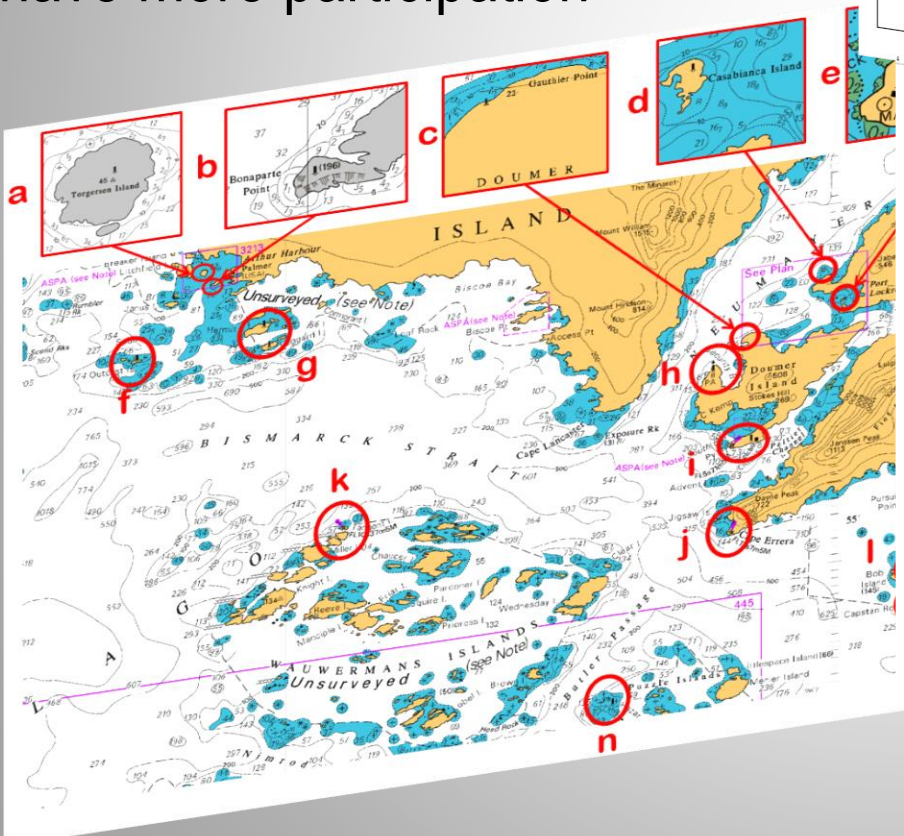
Navigational aids – do they exist and are there any more?

- 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 compiled a list of all lights and beacons in the Antarctic Peninsula.
- Following HCA15, Member States and stakeholders were tasked to compare the list with their own chart coverage for a completeness check and issue to all vessels navigating these waters



Since HCA15 the HPWG Chair has received feedback information from three organisations! Argentina, a British Antarctic Survey vessel and an IAATO vessel. Please can we have more participation

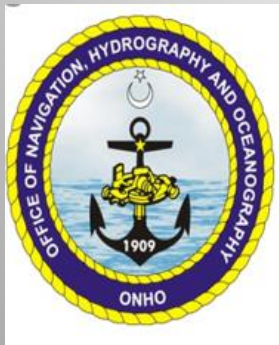
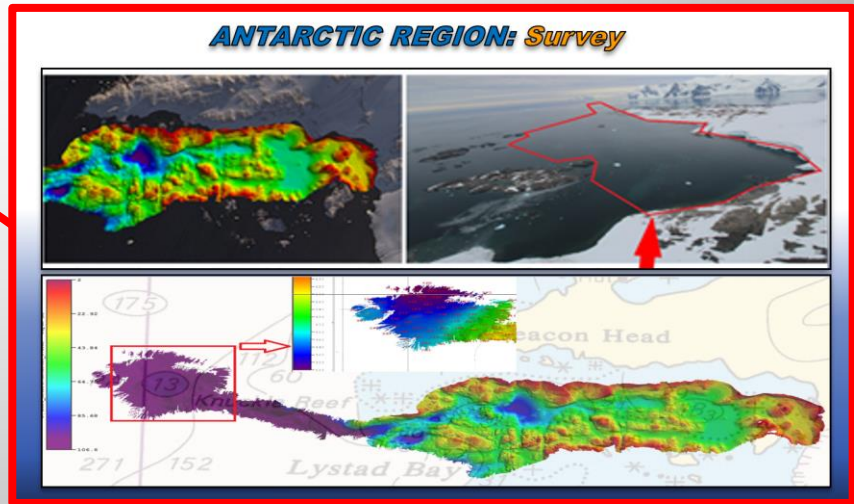
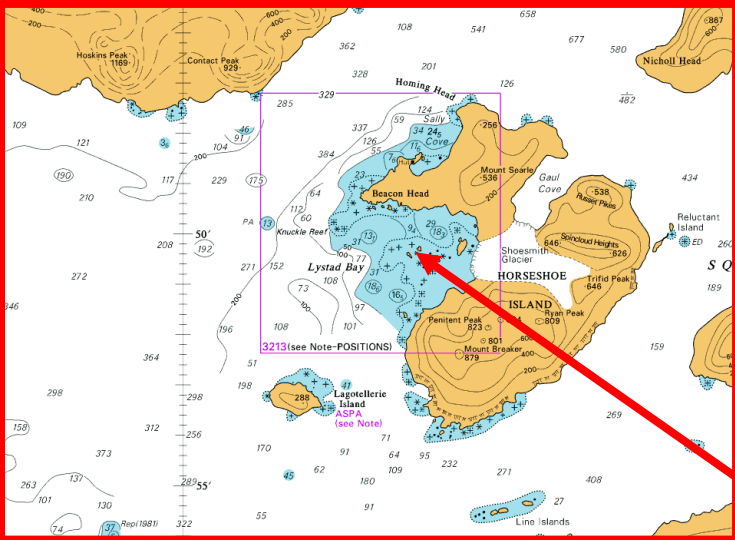
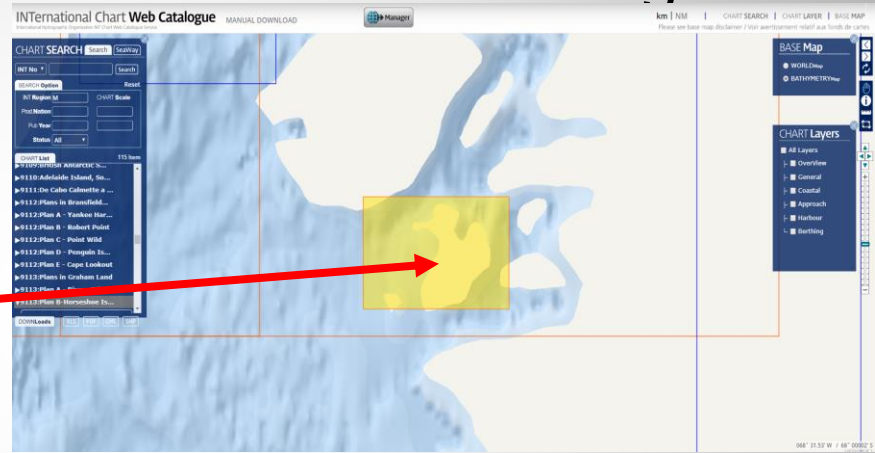
| | | | | | | | |
|---|------------------------|---------------------------|-----|-------------------------------|------------|---|-------------------------------------|
| i | Light - Fl.13a7m5M | 64°54' 85S 063°35' 62W | Y | Y - 64° 55(S) 063° 36 (W) | BLIND |  | Bza CABO ERRERA (1961) |
| k | Light - Fl.10a37m5M | 64°53' 29S 063°56' 84W | Y | Y - 64° 54 (S) 063° 58 (W) | B DES 10 s |  | Bza BUENOS AIRES - OFF (1951) |
| l | Beacon | 64°56' 47S 063°25' 73W | --- | --- | --- |  | Bza COVACHIVICH (1955) |
| m | Beacon Yellow/black | 64°57' 37S 063°25' 39W | Y | Y - 64° 58 (S) 063° 28 (W) | B DES 7 s |  | --- |



| 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 | Source |
| 1 | a | Beacon | 65°10' 42S 067°15' 69W | Y | Y | | | | Bremen |
| | b | Light - Fl.5a18m5M | 65°11' 75S 067°09' 49W | Y | N | | | | Bremen |
| | c | Beacon - Yellow/orange | 65°12' 36S 066°59' 29W | Y | N | | | | Bremen |
| | d | Beacon Tower | 65°11' 19S 066°59' 60W | Y | N | | | | Bremen |
| | e | Beacon - Orange | 65°08' 25S 067°03' 91W | Y | N | | | | Bremen |
| 2 | f | Beacon - Yellow | 65°08' 25S 067°03' 32W | Y | N | | | | Bremen |
| | a | 2 Masthead towers | 65°07' 81S 067°05' 62W | Y | N | | | | Bremen |
| | b | Beacon Racon (B) | 67°45' 85S 068°58' 85W | Y | N | | | | Bremen |
| | a | Beacon | 67°46' 63S 068°53' 46W | Y | N | | | | Bremen |
| | c | Beacon/pole | 65°35' 45S 066°01' 31W | Y | N | | | | Bremen |
| 3 | d | Beacon/pole | 65°33' 04S 065°52' 00W | Y | N | | | | Bremen |
| | e | Light - Fl.9a27m5M | 65°09' 47S 066°08' 13W | Y | N | | | | Bremen |
| | a | Beacon | 65°23' 46S 065°37' 94W | Y | N | | | | Bremen |
| | b | Beacon | 65°10' 08S 064°08' 47W | Y | N | | | | Bremen |
| | c | Beacon | 65°10' 78S 064°08' 54W | Y | N | | | | Bremen |
| 4 | d | Beacon | 65°11' 07S 064°08' 79W | Y | N | | | | Bremen |
| | e | Beacon | 65°12' 37S 064°08' 64W | Y | N | | | | Bremen |
| | f | Beacon | 65°13' 29S 064°08' 64W | Y | N | | | | Bremen |
| | g | Beacon | 65°13' 96S 064°13' 32W | Y | N | | | | Bremen |
| | h | Beacon | 65°13' 96S 064°15' 66W | Y | N | | | | Bremen |
| 5 | i | Beacon | 65°14' 34S 064°15' 33W | Y | N | | | | Bremen |
| | a | Beacon | 65°14' 39S 064°15' 99W | Y | N | | | | Bremen |
| | b | Beacon | 65°13' 96S 064°19' 88W | Y | N | | | | Bremen |
| | c | Beacon | 64°46' 34S 064°04' 42W | N | N | | | | Bremen |
| | d | Beacon | 64°46' 69S 064°03' 97W | N | N | | | | Bremen |
| 6 | e | Beacon | 64°50' 02S 063°34' 80W | Y | N | | | | Bremen |
| | f | Beacon | 64°48' 64S 063°30' 64W | Y | N | | | | Bremen |
| | g | 2 beacons - Hermit Is & Laggard Is | 64°49' 45S 063°20' 43W | Y | N | | | No sign | JCR |
| | h | Beacon Black | 64°49' 31S 064°08' 43W | Y | N | | | No sign | JCR |
| | i | Light-Fl.5a71m5M (beacon close East) | 64°49' 14S 064°01' 10W | Y | N | | | | JCR |
| 7 | j | Light - Fl.13a7m5M | 64°50' 75S 063°36' 64W | Y | N | | | | Bremen |
| | k | Beacon | 64°49' 38S 063°36' 62W | Y | N | | | | Bremen |
| | l | Beacon | 64°49' 30S 063°36' 62W | Y | N | | | | Bremen |
| | m | Beacon Yellow/black | 64°49' 47S 063°36' 84W | Y | N | | | | Bremen |
| | n | Beacon Yellow/black | 64°47' 37S 063°25' 39W | Y | N | | | | Bremen |
| 8 | o | Beacon Yellow/black | 64°56' 96S 063°42' 25W | Y | N | | | | Bremen |
| | p | Beacon Yellow/black | 64°56' 96S 063°42' 25W | Y | N | | | | Bremen |

New survey activity

Turkey reported at the latest meeting of the Mediterranean and Black Seas Hydrographic Commission (MBSHC) that they have been surveying in Antarctica. They have offered to supply this data to the HPWG Chair for charting use in INT9113.



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) | | | |

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

THANK YOU
ANY QUESTIONS

