

# HCA 18 - PENINSULA SURVEY PLAN

## Table of MSRs, base/site calls, usage category, and current survey category

**Note:** In the tables below, high priority surveys have been emphasized in **yellow**. Indications of planned surveys appear in **green**. Indications of surveys completed appear in **blue** areas to be surveyed in **red**.

Table includes data from HCA18 National Reports of AR, BR, CL, EC, FR, IT, JP, NZ, US & UK

### I. ANTARCTIC PENINSULA

#### Categories

Category	Usage
A	Frequent
B	Regular
C	Infrequent

Charted ZoC	
A	Adequately surveyed – full seafloor search
B	Modern survey – full seafloor search not achieved
C	Miscellaneous data – low accuracy
D	Unsurvey
U	Unassessed data due to no ENC ZoC

#### 1.1 Main Corridors (see diagram on last page for MSR references)

MSR	Name	Usage Category	Charted ZoC*	INT Chart Coverage & Survey Information
1	James Ross Island circular route (Trinity Peninsula)	B+C	D (A&B)	INT 9153 (UK) Prince Gustav Channel & Eastern corridor 55% surveyed. 45% unsurveyed. Blocks surveyed by: UK 1995 (HI1583) 1999 (HI1790) UK 2006-08 (HI1198/99 & 1131) UK 2013 & 2017 (HI1439B) Surveys required W to S from Long Island to Seymour Island
2	Joinville Island circular route (Trinity Peninsula)	A+B	B & D	INT 9154 (UK) 45% surveyed (Antarctic Sound), 55% unsurveyed. Blocks surveyed by: UK 2005 – 10 (Hope Bay Approach, HI1198/99) UK 2013 17 (HI1439B) Uruguay & Venezuela 2008. Surveys required between Dundee Island and north of Danger Islands and also west of Zelee Rocks (62 56S, 57 45W)
3	Orleans Strait to Antarctic Sound	B	A (&D)	INT 9155 (CL) 90% complete Blocks surveyed by: Chile 2018 UK 2001-10 (HI1099 including Trinity Island to Ohlin Island) UK 2013-16 (NW of Peralta Rocks) Survey required NE of Montravel

\* Indicates MSR downgraded from high priority since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MSR	Name	Usage category	Charted Zoc*	INT Chart Coverage & Survey Information
4	Gerlache Strait	A	B, D (&A)	INT 9103 & 9104 (CL), 9165 (UK), 9156 (AR) & 9157 (CL) 95% surveyed. Blocks surveyed by: Chile 2010-19 Colombia 2015 (Arctowski Peninsula to The Waifs) Spain 2017 (Two Hummock Island South-westwards) UK 2002 (HI1984 Wiencke Island) UK 2006 (HI1099, 1135 & 1195 80% coverage) UK 2011 (HI1347 S to Two Hummock Island) UK 2017 (HI1439 Flanders Bay to Hunt Island) UK 2018 (HI1541 S of Brabant Island) US 01-02 (complete transit) Survey required east of Two Hummock Island (64 08S, 61 41W) Adjacent Flandres Bay 35% surveyed (65 02S 63 12W)
5	Bismarck Strait (Avers Island)	A+B	B (A)	INT 9158 (UK) Approaches to Palmer Station and Port Lockroy. 90% complete Block surveyed by: Chile 2010, 2011 & 2016 Spain 2017 (64 2.66 eastwards) UK 2005-06 (HI1134 & 95 Joibia Island eastwards) UK 2011 (HI1347) UK 2017-18 (HI1439B & 1541) Small area of ZoC D W of Outcast Island (64 48.5S, 64 10.1W) & in Flandres Bay
6	Lemaire Channel	A	B & C (D)	INT 9106, 9118, 9158 (UK) Petermann Is, Pleneau Is, Argentine Is, Yalour Is. HSM 62 75% surveyed Block surveyed by: Spain 2017 (Lemaire Channel to Butler Passage & Hovgaard Isl) UK 2005/06 & 2012/13 UK 2017-18 (HI1439B & 1541) Xplore expeditions/SHOM 2013 Nimrod Passage Zoc C (64 59S, 63 59W) Yalour Islands Zoc D (65 14S, 64 08W)
7	Grandidier Channel	A+B	B & C (D)	INT 9158, 9132 & 9159 (UK) 70 % surveyed. Blocks surveyed by: UK 2018 (HI1541) ZoC D west of Colins Bay
8	Cape Garcia to Jagged Island	B	B, C & D	INT 9107 (UK) & 9159 (UK) 15% surveyed Blocks surveyed by: UK 2006/07 (swathe) UK2018 (HI5151) ZoC D beyond swathe

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MSR	Name	Usage category	Charted Zoc*	INT Chart Coverage & Survey Information
9	Crystal Sound	B	B & C (D)	INT 9160 (UK) 80% surveyed Blocks surveyed by: UK 2017/18 (HI1439B & 1541) Zoc C & D at MSR edge
10	Liard Island to Rothera	B	D (A – C)	INT 9161 & 9108 (CL), 9160 (UK) 70% complete of which 10% charted Blocks surveyed by: UK 2017 (HI1439B Laird Island southwards) UK 2018 (HI1439B Laird Island northwards) Surveys planned by UKHO 2021/22 (NE sector) Further surveys required in vicinity of Liard Island
11	Marguerite Bay	C	B & D (C)	INT 9163 (UK) & 9164 (CL) 40% complete Blocks Surveyed by: UK 1960-70 UK 1997 (HI1701 South to 67 49.0S) UK 2007 (HI1190 small transit) UKHO surveys 2021/22 (HI1753 80NM <sup>2</sup> ) Resurvey required N of 68 19S Surveys required S of Endurance Reef (68 19S)
12	Woodfield Channel (Adelaide Island)	C	B (C)	INT 9163 (UK) 95% complete (mostly 1980-97 data ZoC 'B') Blocks surveyed by: UK 1980-97 UK 2017-18 (HI1439B & 1541) Resurvey required ZoC 'B' data Survey required N of Johnson Passage (67 35S)
13	Woodfield Channel to Matha Strait (Adelaide Island)	B	D	INT 9162 (CL) & 9160 (UK) 5% complete Some areas of ZoC C to the NW Blocks surveyed by: UK 2017 (HI1439B transit) Requires complete resurvey
13a	Northern Transit from Adelaide Is.	C	D	INT 9162 (CL) <5% Complete Requires complete resurvey
14	Matha Strait to Hugo Island	B	D (A & B)	INT 9160 (UK), 9159 (UK) & 9158 (UK) 25% complete (mostly 1964-70) Blocks surveyed by: UK 1964-70 (Biscoe Islands north-eastwards) UK 2017 (HI1551 Bismarck Strait) Survey required S of Biscoe Islands (62 20S)
15	Exit from Melchior Islands	B	D (A & C)	INT 9156, 9157 & 9158 (UK) 10% complete Survey required outside of INT 9157

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
16	Deception Island to Antarctic Sound	B	A & D	INT 9151 & 9152 (BR/CL), 9154 (UK), & 9155 (CL) 90% complete Blocks surveyed by: AWI 2013 (southern sector) Chile 1994-2006 Spain UK 2010-1 (HI1347 Deception Island eastwards) <b>Survey required north of Montravel Rk (62 55S) and 62 58S, 59 01W</b>
16a	English Strait to Antarctic Sound	B	U	INT 9151 (BR/CL) & 9154 (UK) 80% complete Blocks surveyed by: BR 2015 Spain 2017/18 (62 39.5 north-westwards) UK 2001 & 2007 (HI1198 & 99) UK 2010 (HI1295) & 2011 (HI1347) US 2011 <b>Survey required SE of 62 44.5S, 58 16.55W</b>
17	South Shetlands MSR	C (North) A (South)	U	INT 9151(BR/CL) 40% complete Livingstone Island to Penguin Island complete. Blocks surveyed by: UK 2005-17 Brazil 2007-08 &, 2015, 2020-22 Spain 2016 & 18 (Livingstone Island to MSR 19) Spain 2017 (Brunow Bay & English Strait south-westwards) <b>Surveys required on west north and east routes from Snow island to Penguin Island</b>
17A	Deception Island circular route	A (South) C (North)	A (D)	INT 9120 (AR) Deception Island circular route 100% complete. INT 9120 100% complete Blocks surveyed by: UK in 2005-08 Spain 2016/17 (100% coverage) <b>Surveys required between Snow Island and Sail Rock</b>
18	Elephant Island MSR	A+C	B (C)	INT 9150 (BR) 95% complete Blocks surveyed by: Brazil 1998-95 & 2000 - 2006 <b>Survey required E of Cornwallis Island</b>
19	Elephant Island to King George Island	B	C (B)	INT 9150 (BR), INT 9151 (BR/CL) 60% complete Blocks surveyed by: Argentina (H710 – 711 dates unknown 75%) Brazil 2005 (25%) UK 2012 (2015-101250 passage 40% coverage) <b>Resurvey SW of Gibbs Island (adjacent to UK2012)</b>

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
20	Deception Is to Brabant Island	B	A (C & D)	INT 9120 (AR), INT 9155 (CL), 9156 (AR), 9157 (CL) 80% complete HSM 33-35 Blocks surveyed by: Chile 1994 – 2003 (Hoseason Island northwards) Spain 2017 (Hoseasn Island south-westwards) UK 2006 (HI1195 east of Lecointe Island) UK 2006 & 17 (HI1099 & 1439B Two Hummock Island to Christina Island) Survey required in the vicinity Austin Rocks (63 30.24S, 60 51.14W)
21	Elephant Islands to Danger Islands	C	B & D	INT 9150 (BR), 9154 (UK) & 9170 (AR) 40% complete Blocks Surveyed by: Brazil 1995-98 & 2000 -05 (INT9150) UK 2010 (HI1347 Passage 61 38.5S) AWI 2013 (63 2.5S) Survey required south of 62 05.0S
22	Elephant Island to Antarctic Sound	C	B & D	INT 9150 (BR), 9151 (CL) & 9154 (UK) 35% complete Blocks Surveyed by: Argentina (H710 – 711 dates unknown) Spain 2018 (small transit) UK (various transit data) Survey required SW of 62 05.0S, 56 06.0W Resurvey required N of 62 05.0S, 56 06.0W

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

## 1.2 Branch corridors and Approaches (see diagram on last page for MSR references)

MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
A	Marambio (Seymour Island)	B	D (5% B)	INT 9130 (UK) 5% complete HSM 60 & 94 Blocks Surveyed by: UK 2017 (HI1439B) Survey required SW of UK survey
B	Duse Bay and Eagle Island (Includes Crystal Hill.)	B	D (5% B)	INT 9130 (UK) 9154 (UK) 75% complete Blocks Surveyed by: US 2001-10 (Eyre Bay to Duse Bay) UK 1996 (HI1583 south of Bleak Island) UK 2007 (HI1198 east of Bleak Island) Surveys required west of Eagle Island
C	Paulet Island (Erebus & Terror Gulf)	A	B (D)	INT 9112 (UK) HSM 41 70% complete Blocks surveyed by: UK 1999 (HI1790 west of Paulet Island) UK 2001 (east of Paulet Island) Surveys required east of 55 47.5W
D	Brown Bluff and Fridtjof Sound (Antarctic Sound)	A	B & D	INT 9154 (UK) Blocks surveyed by: UK 2006-07 (HI1131/98/9) Approaches to Brown Bluff complete up to 50m contour Surveys required south of Jonassen Island
E	Hope Bay (Antarctic Sound)	A	B	INT 9101 (AR) HSM 39&40 100% complete Blocks surveyed by: AR 2003-05 (100%) & 2021 Single-beam Survey UK 2006-17 and Uruguay 2008
F	Gourdin Island and Siffrey Point (Antarctic Sound)	B	B & D	INT 9154 (UK) 0% complete Miscellaneous passage data only Requires complete survey, priority to create a safe corridor to Gourdin Island from MSR 2
G	Bernado O' Higgins and Approaches (Trinity Peninsula)	C	A & C	INT 9102 (CL) 9154 (UK) 9155 (CL) HSM 3 10% complete Blocks surveyed by: Chile 2019 Spain (transit western side) Surveys required in un-surveyed areas shown on ENC's
H	Curtiss Bay	C	D	INT 9165 (UK), 9155 (CL) & 9156 (AR) 0% complete Miscellaneous passage data only Requires complete survey

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
I	Hydrurga Rocks	B	D	INT 9165 (UK), 9156 (AR) & 9157 (CL) 0% complete Miscellaneous passage data only Requires complete survey
J	Alcock Island	C	B (D)	INT 9156 (AR) & 9157 (CL) 60% complete Blocks surveyed by: UK 2006 (HI1135) US 2001-10 Surveys required southeast end
K	Portal Point	C	B (C&D)	INT 9112 (UK) & 9166 (UK) 90% complete Blocks surveyed by: CO 2018 & 20 Spain 2017 (64 25S 61 48.5W) UK 2006 (HI1195) Charlotte Bay close SE surveyed by UK.  Survey planned by UK 2021 NE of Gaston Islands  Survey required in vicinity of Portal Point (64 29S, 61 46W)
L	Enterprise Island	B	B (C&D)	INT 9166 (UK) & 9157 (CL) 85% complete Blocks surveyed by: CO 2018 Xplore Expeditions/SHOM 2013 (Racovitza Isl to Foyn Hbr) Requires survey between Racovitza Isl & Enterprise Isl
M*	Melchior Islands and approaches	A&C	A (B-D)	INT 9157 (CL) & 9117 (UK) HSM 29 & 45 90% complete Blocks surveyed by: UK 2005-19 Requires re-survey of north of Peace Island & southwest of Omega Island to join UK surveys
N	Errera Channel	A	A (C&D)	INT 9103 (CL) & 9158 (UK) Includes Cuverville Is, Danco Is and Ronge Is. 90% complete Blocks surveyed by: Chile 2014 & 2016 UK 2006 (HI1099) & 2013 Surveys required NW & S of Cuverville Isl (64 41S, 62 37W), ZoC D Re-survey required east side of Danco Isl (64 44S, 62 35W), ZoC C
O	Andvord Bay	A	A (C)	INT 9158 (UK) & 9103 (CL) Includes Neko Harbour 95% complete. Blocks surveyed by: CO 2015 (vicinity of Useful Island) Chile 2014-16 Spain 2017 (Andvord Bay) UK 2005-06 (HI1099) Survey required west of Useful Island

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
P	Paradise Harbour	A	A (C&D)	INT 9104 (CL) & INT 9135 (CL) HSM 30 Almirante Station and Waterboat Point. Paradise Harbour 95%, Bryde Channel 90%, Ferguson Channel 75%. Blocks surveyed by: Chile 2010-16 UK 2006 (HI1195 80% including Leith & Oscar Cove) UK 2008 (Bryde Channel) UK 2018 (HI1541 Bryde Channel & Paradise Hbr) Surveys required at corridor edges including Killermet & Sturm Cove & SW of Bruce Isl (64 54S 63 10.5W)
Q	Neumayer Channel and Port Lockroy	A	B (D)	INT 9158 (UK) & 9104 (CL) 100% complete HSM 61 & 84 Blocks surveyed by Chile 2010-16 Spain 2017 (70% coverage) UK 2005-10 (75% coverage) UK 2018 (HI1541)
R	Arthur harbour	B	B (A)	INT 9105 & 9158 (UK) 100% complete Blocks surveyed by UK 2012 (SW Approach to South Channel) UK 2017 (HI1438B Approaches to South Channel) US 1999-2010
S	French Passage	B	B	INT 9106 & 9158 (UK) HSM 27 50% complete Blocks surveyed by Spain 2017 (65 10.2S 64 20.3W) UK 2017 (HI1439B) UK (BAS) 2009-21 Surveys required adjacent to UK surveys
T	Prospect Point	B	D	INT 9107 (UK) Miscellaneous passage data Requires complete survey
U	Pendleton Strait	B	B	INT 9159 (UK) 50% complete Blocks surveyed by: UK 1986 (50% northwest) 2017 (HI1439B 50% southeast)
V	Matha Strait	B	D (A&B adjacent to corridor)	INT 9160 (UK) Miscellaneous passage data Directly south in area of proposed route (HCA18) Blocks surveyed by: UK 2007 (HI1190) 2017-18 (HI1439B & 1541) Surveys planned by UKHO 2021/22

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR



MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
W	Detaille Island and Approaches	C	D	INT 9117 (UK) & 9161 (CL) Historic Monument 83; following restoration will receive increased vessel traffic. INT 9117 (UK) 85% complete (all shoals close to Island detected) Blocks surveyed by: UK 2014 (HI1384) INT 9161 Miscellaneous passage data Surveys required in the NW and N northern approach corridor. Note: The north corridor is subject to HCA 17/18 review
X	Lallemand Fjord	C	D (A)	INT 9161 (CL) 10% complete (90% miscellaneous passage) Blocks surveyed by: UK 2014 (HI1384 Detaille Island) Survey by UKHO 2022 of unsurveyed area on INT9117
Y	Shumskiy Cove	C	D (C)	INT 9108 (CL) 10% complete Blocks surveyed by: UK 2007 (HI1190) UK 2018 (HI1541) Requires survey south of 66 58S
Z	Rothera	B	B (D)	INT 9109 & 9113 (UK) BAS and RN vessels 95% complete. Blocks surveyed by: UK 2007 (HI1190 Rothera south-eastwards) UK 2008 (HI1701 Rothera Point north-eastwards) UK 2009 (BAS Rothera south-westwards) UK 2011/15 (HI14347 Rothera to Anchorage Island) UK 2017/18 (HI1439B & 1541 Rothera Approaches) Surveys planned by UKHO 2021/22 in vicinity of North Cove (67 33.5S, 68 07.0W) & Biscoe Wharf Surveys required to replace 1970s surveys east of Killingbeck Island.
Aa	Avian Island	C	B	INT 9110 (CL) 100% Complete (by 1960s survey) Blocks Surveyed by: UK 1963 – 66 BAS 2009 - 21 Requires resurvey 100%
Ab	Approaches to Millerand Island	C	C (B & D)	INT 9111 (AR) HSM 26, 55 & 64 80% Complete (ZoC C) Blocks Surveyed by: Argentina 1981-82, 94-95 & 99 – 2000 UK 1966 UK 2018 (HI1541 5%) Requires resurvey 100%

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
Ac	Port Foster and Neptunes Bellows (Deception Island)	A	A+B	INT 9120 (AR) HSM 71, 75 & 76 100% complete Blocks surveyed by: UK 2005-8 (included on INT9120) UK 2016 (HI1584) Spain 2017 (included on INT9120 100%) Chile 2022 (100%) (not included on INT9120)
Ad	South bay and Hannah Point	A	A	INT 9121 (ES) HSM 91 100% complete. Blocks surveyed by: Spain 2011-12 & 16 (included on INT 9120) UK in 2006-07
Ae	McFarlane Strait	A	A - Half Moon Island  B&C - Yankee Harbour  D – McFarlane Strait  D – Approach	INT 9121 (ES), 9112 (UK) & 9137 (ES) Half Moon Island 100% Spain 2016 (included on INT9121) Argentina 2020 (single beam) Yankee Harbour 95% HSM 57 Blocks surveyed by Argentina 1956 Chile 1956 UK 1935 UK 2005-07 (HI1190) McFarlane Strait 100% Spain 2016 (south-east of 62 31S) UK 2007 (HI1190) Northern Approach 0% Surveys required north of Lister Cover and Duff Point (62 29.5S)
Af	English Strait	A	A-D	INT 9122 (CL), 9117(UK) & 9152 (BR/CL) 75% complete HSM 32 Blocks surveyed by: Brazil 2015 (Fort William south-eastwards) Ecuador in 2004-12 (Cecila Island and in vicinity of Spark Point headland) Spain 2016 (Ash Point south-eastwards) UK in 2005-07 Surveys required in the approach north of Port William Surveys planned by Chile of Discovery Bay 2023
Ag	Robert Point	C	D (U)	INT 9151 (BR/CL) 70% complete Blocks surveyed by: Spain 2017 (33%) UK 2006-7 (HI1099 & 1190) Surveys required in the immediate vicinity of Robert Point

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
Ah	Nelson Strait	B	D	<p>INT 9151 (BR/CL) 80% complete Blocks surveyed by: Chile in 2006-12 (Exploratory probe) Spain 2018 (Transit between MSR 17) UK in 2006/7 (HI1190/9 S of Parry Patch)</p> <p>HPWG Chair to check for BR blocks as shown in survey holdings diagram in National Report HCA18</p> <p>Surveys required north of 62 15S and in areas adjacent to corridor</p>
Ai	Maxwell Bay and approaches (King George Island)	A	C	<p>INT 9123 (CL) Maxwell Bay 100% complete HSM 52 &amp; 86 Spain 2016 (Ardley to 62 20S) UK 2006-8 (HI1099 &amp; 1190 Ardley to Pig Rock) UK 2010 &amp; 18 (HI1541 between Pig Rock &amp; Low Rock) UK 2011 (HI1347 Ardely Island to exit) Uruguay 2008-12 Ardley Cove 100% complete HSM 50 &amp; 82 Chile 2003-07 UK 2005 &amp; 08 (25%) Uruguay 2008-12 (80%) Marian Cove 100% complete UK 2006 (HI1099 75%) Chile 2003-07 Potter Cove 100% HSM 36 Argentina 2005-07 Chile 2003-07 UK 2012 Uruguay 2008-12</p>
Aj	Admiralty Bay (King George Island)	A	A	<p>INT 9125 (BR/PE) MSR 100% complete HSM 51 Admiralty Bay: Brazil 2008-18 (RA407/13) UK 2007 (HI1190 central channel) UK 2011 (HI1541 west side of channel to Thomas Point) UK 2017 (HI1439B central channel) Peru 2018 (Bay entrance) Mackellar Inlet Chile 2016-17 Peru 2013 UK 2018 (HI1541 Keller Peninsula inlet) Martel Inlet Brazil 1993, 2008, 2015-18 Chile 2016-17 UK 2007 (HI1190 to 100m) UK 2017 (HI1438B to 160m) UK 2018 (HI1541 southeast of Ullmann Pt) Ezcurra Inlet (not part of Branch Corridor) Brazil 1984-93 Brazil 2012 (RA407/13) Survey required Dufayel Isl westwards (non MSR)</p>

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
Ak	Penguin Island and approaches	A	A+C	INT 9112 (UK) (9126 & 9127 BR) 30% complete Penguin Island and Southern Approach 50% complete UK 2006/7 (HI1099 & 1190) Eastern Approach from MSR 17: Brazil 2004 & 15 Survey required west of Penguin Island
Al	Cape Lookout	C	B	INT 9112 (UK) (9150 BR) HSM 74 Blocks surveyed by: Brazil 1988/9 & 1998/95 Requires resurvey
Am	Point Wild (Elephant Island)	A	B	INT 9112 (UK) (9150 BR) HSM 53 100% complete Blocks surveyed by: Brazil 1998-95 (BR25115) UK 2012 (HI1385 100% coverage on INT9112) UK 2012 (2015-101250 passage north of INT9112) Re-survey required between INT9112 and MSR 18 beyond UK 2012 passage survey
An	Cape Valentine (Prince Charles Strait & Cornwallis Island)	B	C	INT 9150 (BR) Blocks surveyed by: Brazil 1998-95 (BR25115) UK 2012 (2015-101250 passage) Re-survey required
Ao	Danger Islands (Erebus & Terror Gulf)	C	D	INT 9154 (UK) Miscellaneous passage data Requires complete survey
Ap	Dundee Island (Erebus & Terror Gulf)	C	C & D	INT 9154 (UK) 60% complete Blocks surveyed by: Argentina 2005-07 UK 1995 (HI1790 Petrel Cove) UK 2006 (HI1131 Firth of Tay) Survey required in Active Sound Surveys planned in Active Sound by AR 21/22
Aq	Herbert Sound (Erebus & Terror Gulf – Vega Island)	C	D	INT 9153 (UK) 90% complete Blocks surveyed by: UK 2007 (HI1198)
Ar	Historic Monument 38 (Erebus & Terror Gulf – Snow Hill Island)	B	D	INT 9153 (UK) Miscellaneous passage data Requires complete survey
As	Freud Passage (Brabant Island)	B	D	INT 9156, 9170 (AR) & 9157 (UK) Miscellaneous passage data Requires complete survey

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
At	Booth & Pleneau Islands & Port Charcot (Lemaire Channel)	C	D (C & D)	INT 9118 & 9158 (UK) HSM 28 35% complete. Blocks surveyed by: Xplore Expeditions/SHOM 2013 Requires survey beyond 2013 surveys above indicated bay ZoC B&C on ENC
Au	Gunnel Channel (Adelaide island)	C	D	INT 9108, 9161 (CL) & 9171 (UK) 30% complete Blocks surveyed by: UK 2017/18 (HI1439B 1541)
Av	Pourqoi Pas Island (Falliers Coast)	C	D (B)	INT 9163 (UK) & 9161 Miscellaneous passage data 25% complete Blocks surveyed by: UK 1996 (HI1701 Pinco Island) UK 2017 (HI1439B Horsehoe Island westwards) UK 2018 (HI1541 Bigourdan Fjord) Survey planned by UK South of Covey Rocks eastwards to ice (63NM <sup>2</sup> ) Survey required in Bourgeois Fjord, Covey Rocks and south approaches
Aw	Cierva Cove (Gerlache Strait)	A	B & D	INT 9165 60% complete Blocks surveyed by: Colombia 2017 (60 59W westwards) Lindblad Expeditions 2014 (50% coverage) Spain in 2016 (transit into CO data) Requires survey west of CO data
Ax	Orne Harbour (Arctowski Peninsula)	B	A	INT 9103 (CL) 95% complete. Blocks surveyed by: SHOM 2013 UK 2013
Ay	Mickkelsen Harbour (Trinity Island)	B	B	INT 9165 (UK) 95% Complete Surveyed by: Colombia 2017
Az	Wilhelmina Bay (Gerlache Strait)	B	B (D)	INT 9166 (UK) & 9157 (CL) 99% complete Blocks surveyed by: Colombia 2017 (75% coverage) Spain 2017 (64 26.4S 61 57.3W) UK 2006 (Gerlache Strait) UK 2021 (East side of Nansen Island & Delaite Isl)  Bancroft Bay close SE surveyed by UK 2021  Surveys planned by UK 2021/22 Small survey required Foyn Hbr Small survey required west of Delaite Island & Foyn Hbr

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
Ba	Elephant Point & Approaches	C	A	INT 9121 (ES) 95% complete Blocks surveyed by: Spain 2012 & 2017
Bb	Horseshoe Island Lystad Bay & Apps	C	Lystad Bay = A  Sally Cove = B	INT 9113 & 9163 (UK) HSM 63 Lystad Bay 80% complete Blocks surveyed by: Turkey 2018 Survey planned 21-22 by Turkey Sally Cove 20% complete Blocks surveyed by: UK 2018 (H11439B) Surveys planned by UKHO 2021/22 – restricted by ice Circumnavigation survey planned by UK

\* Indicates MSR downgraded from high priority since HCA-17

\* Indicates MSR priority increased since HCA-17

\* Unbracketed categories indicate main ZoC for MSR

MARITIME SHIPPING ROUTES (MSR)  
 THE ANTARCTIC PENINSULA AND THE SOUTH SHETLAND ISLANDS  
 EDITION No 8 - HCA18 (2022)

