

# HCA 19 - 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 by **yellow** cell. **Red** cells indicate further research by the HPWG Chair is required.

Indications of planned surveys appear in **green**. Indications of surveys completed appear in **blue** areas to be surveyed in **red**.

### 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	Unsurveyed
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 64 10S, 57 35W)	B+C	<b>D (A&amp;B)</b>	INT 9153 (UK) Prince Gustav Channel & Eastern corridor 55% surveyed. 45% unsurveyed. Blocks surveyed by: UK 1995 (HI583/M2619 Vega Island ZoC B) UK 1999 (HI1790) UK 2006-08 (HI1198 ZoC C, 1199 & 1131 (transit) ZoC C) UK 2013 & 2017 (HI1439B) US 2001 (RV Nathaniel Palmer) <b>Surveys required W to S from Long Island to Seymour Island</b>
2A*	Antarctic Sound (Trinity Peninsula 63 20S, 56 44W)	A+B	B (D)	INT 9154 (UK) 75% surveyed (Antarctic Sound), 25% unsurveyed. Blocks surveyed by: BR 2021/2 (RA 434 2002 A SBES ZoC B/C) Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 1995 (HI583/M2461 ZoC B) UK 2005 – 10 (Hope Bay Approach, HI1198 ZoC B, & 1199) UK 2013-17 (HI1439B) UK 2023 (HI1753) US 2002 (RV Nathaniel Palmer) Uruguay & Venezuela 2008. <b>Systematic surveys required in the north-west section west of Zelee Rocks (62 56S, 57 45W) in depths of 100-200m. Includes confirmation of rock PA.</b>
2B*	Andersson Island to Danger Islands (Trinity Peninsula 63 25S, 54 30W)	B	D (B)	INT 9154 (UK) 25% surveyed, 75% unsurveyed. Blocks surveyed by: AWI 2013 (ZoC B) UK 1995-96 (HI1583, HI790) UK 2002 – 07 (HI998/1131/1198/99) UK 2017 (HI1439B) <b>Surveys required between Erebus and Terror Gulf NE to MSR 21</b>

\* Indicates MSR downgraded from high priority since HCA-18

\* Indicates MSR priority increased since HCA-18

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\* Indicates new MSR agreed at HCA18

MSR	Name	Usage category	Charted Zoc*	INT Chart Coverage & Survey Information
3	Orleans Strait to Antarctic Sound (Trinity Peninsula 63 36S, 59 31W)	B	A (&D)	INT 9155 (CL) 90% complete Blocks surveyed by: AWI 2013 (Nachtigaller Shoal ZoC B) BR 2021 (SBES ZoC C) Chile 2018 UK 2001-10 (HI1099 including Trinity Island to Ohnlin Island) UK 2013-16 (NW of Peralta Rocks) <b>Survey required NE of Montravel</b>
4	Gerlache Strait (Graham Land / Brabant Island 64 30S, 62 20W)	A	B, D (&A)	INT 9103 & 9104 (CL), 9165 (UK), 9156 (AR) & 9157 (CL) 100% surveyed. Blocks surveyed by: Chile 2010-19 CO 2015 (Arctowski Peninsula to The Waifs) CO 2024 (Ronge Isl north-eastwards to Bluff Isl MBES) Lindblad Expeditions 2014 (SBES Passage ZoC C) 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 ZoC B)) UK 2017 (HI1439 Flanders Bay to Hunt Island) UK 2018 (HI1541 S of Brabant Island ZoC B) US 01-02 (complete transit) Adjacent Flandres Bay 35% surveyed (65 02S 63 12W)
5	Bismarck Strait (Avers Island 64 51S, 64 0W)	A+B	B (A)	INT 9158 (UK) Approaches to Palmer Station and Port Lockroy. 100% complete Block surveyed by: Lindblad Expeditions 2014 (SBES Passage ZoC C) 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 ZoC B)
6A*	Butler Passage (Wilhelm Archipelago 64 58S, 63 44W)	A	B & C (D)	INT 9118 (UK) 100% surveyed Block surveyed by: Lindblad Expeditions 2014 (SBES Passage ZoC C) Spain 2017 UK 2005/06 (HI1099/1134/95) UK 2011 (HI1347) UK 2017 (HI1439B)
6B*	Nimrod Passage (Wilhelm Archipelago 64 59S, 64 00W)	B	C	INT 9118 (UK) 100% surveyed to ZoC C UK 1957-64 (ZoC C) UK 2011 (HI1347) US 2001 (NV Palmer superseded by HI1347) <b>Low priority resurvey of 1957/64 ZoC C data</b>
6C*	Lemaire Channel (65 04S, 63 57W)	A	B	INT 9118 (UK) 100% surveyed Block surveyed by: Lindblad Expeditions 2014 (SBES Passage ZoC C) Spain 2017 UK 2005/06 (HI1134/95) UK 2017-18 (HI1439B)

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MSR	Name	Usage category	Charted Zoc*	INT Chart Coverage & Survey Information
6D**	Penola Strait (65 12S, 64 09W)	A	B (C & D)	INT 9106, 9118, 9158 (UK) Petermann Is, Argentine Is, Yalour Is. HSM 62 99% surveyed Block surveyed by: Lindblad Expeditions 2014 (SBES Passage ZoC C) Spain 2017 (Hovgaard Isl) UK 2005/06 (HI1134 95% coverage) UK 2013 (HI102 Green Is) UK 2016/17 (HI1439B) UK 2018 (HI1541 ZoC B) <b>SE of Peterman Island Zoc D (65 12S, 64 08W) including check of 13m &amp; 16.5m shoals</b>
7	Grandidier Channel (Graham Coast 65 37S, 64 48W)	A+B	B & C	INT 9158, 9132 & 9159 (UK) 100% surveyed (note survey dates) Blocks surveyed by: UK1958 & 84/86 (SBES K9488 ZoC B 90% coverage) UK 2006/7 (HI1134 HI1190 ZoC C) UK 2018 (HI1541 ZoC B&C) <b>Low priority resurvey of 1984 ZoC B &amp; 2006/7 ZoC C (90% of MSR 7)</b>
8A*	Harrison, Ritche & Mudge Passages (Duchaylard Island to Jagged Island 66 55S, 65 13W)	B	C & D (B)	INT 9107 (UK) & 9159 (UK) 50% surveyed to Zoc C Blocks surveyed by: Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 2007 (HI1190 ZoC C) UK 2018 (HI1541 ZoC C) <b>Survey required to replace ZoC C &amp; D</b>
8B*	Maskelyne Passage (Larrouy Island 65 50S, 65 24W)	B	D	INT 9107 (UK) & 9159 (UK) 10% surveyed ZoC C Lindblad Expeditions 2014 (SBES Passage ZoC C) <b>Requires complete survey</b>
9	Crystal Sound (Graham Land / Lavosier Island 66 21S, 66 44W)	B	B & C (D)	INT 9160 (UK) 100% surveyed Blocks surveyed by: Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 2021/23 (HI1753 ZoC B) UK 2017/18 (HI1439B & 1541) <b>Zoc C &amp; D at MSR edge</b>
10A*	Liard Island – Buchanan Passage (66 47S, 67 37W)	B	C & D	INT 9161 & 9108 (CL), 9160 (UK) 40% complete (ZoC C) of which 10% charted Blocks surveyed by: UK 2021/22 (HI1753 ZoC B) UK 2018 (HI1541 ZoC C) <b>Requires resurvey south of INT9160</b>
10B*	Liard Island – Isacke Passage (66 50S, 67 07W)	B	C & D (B)	INT 9161 & 9108 (CL), 9109 & 9160 (UK) 80% complete of which mostly ZoC C Blocks surveyed by: Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 2021-23 (HI1753 ZoC B) UK 2007 (HI190 ZoC C) UK 2016/17 (HI1439 ZoC B) UK 2017/18 (HI1541 ZoC C) <b>Requires resurvey to in areas of C &amp; D</b>

\* Indicates MSR downgraded from high priority since HCA-18

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MSR	Name	Usage category	Charted Zoc*	INT Chart Coverage & Survey Information
10C*	Hanausse Bay to Pourquoi Pass Island (Adelaide Island / Arrowsmith Peninsula 67 20S, 67 51W)	B	D (B)	INT 9161/62 & 9108 (CL), 9160/63 (UK) 50% complete Blocks surveyed by: Lindblad Expeditions 2014 (SBES Passage ZoC C) UK1996 HI701 (ZoC B) UK 2016-18 (HI1439B ZoC B & HI1451 ZoC B&C) <b>Requires complete resurvey north of Rothera to attain ZoC B or above</b>
11A*	Porquoi Pass Island to Millerand Island (Marguerite Bay 67 54S, 67 45W)	C	B (D)	INT 9161/62 & 9108 (CL), 9163 (UK) 99% complete Blocks Surveyed by: UK 2021-24 (HI1753 ZoC B 80% coverage) UK 2007 (HI1190 transit ZoC C) UK 1966 UK 1997 (HI1701 South to 67 49.0S)
11B*	Marguerite Bay (North) (68 30S, 68 13W)	C	D	INT 9163 (UK), 9164 (CL) & 9172 (RU) 25% complete Blocks surveyed by: UK 1966-74 <b>Modern survey required</b>
11C*	Marguerite Bay (South) (69 02S, 50 43W)	C	D	INT 907 (UK) & 9164 (CL) & 9172 (RU) 0% complete <b>Modern survey required</b>
12	Woodfield Channel (Adelaide Island 67 49S, 67 07W)	C	B (C)	INT 9163 (UK) 95% complete (mostly 1980-97 data ZoC 'B') Blocks surveyed by: BAS 2009 (Scientific JR230 ZoC C) UK 1980-97 UK 2017-18 (HI1439B & 1541) <b>Potential resurvey of 1980-90 data</b> <b>Survey required N of Johnson Passage (67 35S)</b>
13A*	Johnston Passage to Matha Strait - North (Adelaide Island 67 18S, 69 15W)	B	C & D	INT 9162 (CL) & 9160 (UK) 15% complete (50% ZoC C) Blocks surveyed by: BAS 2009-14 (Scientific JR230/312 ZoC C) RU 2020 (Scientific ZoC U) UK 2017 (HI1439B ZoC B) US 2009 (Scientific TR401594 ZoC U) <b>Requires resurvey west of ZoC B data</b>
13B*	Johnston Passage to Matha Strait - South (Adelaide Island 66 32S, 68 18W)	B	D (C)	INT 9162 (CL) 5% complete Blocks surveyed by: BAS 2009 (Scientific JR230 ZoC C) RU 2020 (Scientific ZoC U) UK 2017 (HI1439B ZoC B) <b>Requires complete resurvey</b>
14	Matha Strait to Hugo Island (65 37S, 66 32W)	B	D (A & B)	INT 9160 (UK), 9159 (UK) & 9158 (UK) 25% complete (mostly 1964-70) Blocks surveyed by: BAS 2013/4 (Scientific JR279-286 & 312 ZoC C) UK 1964-70 (Biscoe Islands north-eastwards) UK 2017 (HI1439B ZoC A & B) <b>Survey required S of Biscoe Islands (62 20S)</b>
15	Exit from Melchior Islands (63 40S, 63 18W)	B	D (A & C)	INT 9156, 9157 & 9158 (UK) 0% complete

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MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
16	Deception Island to Antarctic Sound (Bransfield Strait 62 59S, 59 18W)	B	A & D	INT 9151 & 9152 (BR/CL), 9154 (UK), & 9155 (CL) 90% complete Blocks surveyed by: AWI 2013 (Nachtigaller Shoal ZoC B) Brazil 2021/2 (singlebeam ZoC B/C) Chile 1994-2006 (single & multibeam) Lindblad Expeditions 2014 (SBES Passage ZoC C) Spain 2017-18 (Deception Island end) UK 2010-11 (HI1347 40% of MSR & HI1295) <b>Survey required north of Montravel Rk (62 55S) and 62 58S, 59 01W</b>
16a	English Strait to Antarctic Sound (Bransfield Strait 62 42S, 58 31W)	B	U	INT 9151 (BR/CL) & 9154 (UK) 80% complete Blocks surveyed by: BR 2015 (62 46.8S 58 12.71W) BR 2021 (RA 434 2002 A SBES ZoC C) Spain 2017-20 (62 39.5 north-westwards) UK 2001 & 2007 (HI1198 ZoC B & 1199 ZoC C) UK 2010 (HI1295) & 2011 (HI1347) US 2011 <b>Survey required SE of 62 44.5S, 58 16.55W</b>
17A	Deception Island circular route (Bransfield Strait 62 58S, 60 38W)	A (South) C (North)	A (D)	INT 9120 (AR) Deception Island circular route 90% complete. INT 9120 100% complete Blocks surveyed by: UK in 2005-08 Spain 2016/17 (90% coverage) <b>Surveys required between Snow Island and Sail Rock</b>
17B*	South Shetland Islands MSR – South (Bransfield Strait 62 20S, 58 38W)	A	U	INT 9151(BR/CL) 90% complete Livingstone Island to Penguin Island complete. Blocks surveyed by: UK 2005-17 (90% coverage ZoC B) Brazil 2007-08 & 2015, 2020-22 Spain 2016 & 18 (Livingstone Island to MSR 19) Spain 2017 (Brunow Bay & English Strait south-westwards) Spain 2018 (Penguin Island northeastwards) <b>Survey required E of Penguin Island currently BAS transit data and Argentine Charts H710-711)</b>
17C**	South Shetlands MSR – North (62 13S, 59 59W)	C	U	INT 9151(BR/CL) <5% complete Blocks surveyed by: UK 2008 (Endurance passage) <b>Surveys required on west north and east routes from Snow Island to Penguin Island</b>
18	Elephant Island MSR (61 12S, 55 42W)	A+C	B (C)	INT 9150 (BR) 100% complete Blocks surveyed by: Brazil 1998-95 & 2000 - 2006

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MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
19*	Elephant Island to King George Island (61 44S, 55 53W)	B	C (B)	INT 9150 (BR), INT 9151 (BR/CL) 60% complete 100% coverage by BAS Transit Surveys Blocks surveyed by: Argentina (H710 – 711 dates and quality unknown 75% - INT9150) AWI 2013 (ZoC B 5%) BAS 2011 (JR254D Transit Zoc ?) Brazil 2005 (25%) UK 2012 (2015-101250 passage 40% coverage) <b>Resurvey SW of Gibbs Island (adjacent to UK2012)</b>
20	Deception Is to Brabant Island (63 41S, 61 15W)	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 (Hoseason Island south-westwards) US 2002 (NV Palmer) UK 2006 (HI1195 east of Lecointe Island) UK 2006 & 17 (HI1099 & 1439B Two Hummock Island to Christina Island) UK 2010 (HI1295) <b>Survey required in the vicinity Austin Rocks (63 30.24S, 60 51.14W)</b>
21*	Elephant Islands to Danger Islands (62 14S, 54 31W)	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 Zoc B) <b>Survey required south of 62 05.0S</b>
22*	Elephant Island to Antarctic Sound (62 18S, 55 05W)	C	B & D	INT 9150 (BR), 9151 (CL) & 9154 (UK) 35% complete Blocks Surveyed by: Argentina (H710 – 711 dates unknown) Brazil 2005 (RA 113/06 ZoC B) AWI 2016 (ZoC B) Spain 2018 (small transit) UK (various transit data HI1347) <b>Survey required SW of 62 05.0S, 56 06.0W</b>

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## 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 64 11S, 56 35W)	B	D (5% B)	INT 9130 (UK) 5% complete HSM 60 & 94 Blocks Surveyed by: UK 2017 (HI1439B) Survey required SW of UK survey Survey planned by AR 22/23
B	Duse Bay and Eagle Island (Includes Crystal Hill) (63 35S 57 29W)	B	D (5% B)	INT 9130 (UK) 9154 (UK) 75% complete Blocks Surveyed by: US 2001-10 (Eyrice Bay to Duse Bay ZoC B) UK 1996 (HI583/M2619 ZoC B south of Bleak Island) UK 2007 (HI1198 east of Bleak Island ZoC B) Surveys required west of Eagle Island
C	Paulet Island (Erebus & Terror Gulf 63 36S 55 49W)	A	B (D)	INT 9112 (UK) HSM 41 70% complete Blocks surveyed by: UK 1999 (HI1790 west of Paulet Island Zoc B) UK 2001 (east of Paulet Island ZoC B) Surveys required east of 55 47.5W
D	Brown Bluff and Fridtjof Sound (Antarctic Sound 63 31S, 56 45W)	A	B & D	INT 9154 (UK) 50% complete Blocks surveyed by: Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 2006-07 (HI1131/98/9) US 2002 (Nathaniel Palmer Scientific Cruise – Natartic Sound) Approaches to Brown Bluff complete up to 50m contour by 1991 UK surveys (ZoC B) Surveys required south of Jonassen Island Yalor Sound unsurveyed
E	Hope Bay (Antarctic Sound 63 22S, 56 25W)	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 63 10S, 57 15W)	B	B & D	INT 9154 (UK) 5% complete UK 1978-96 (ZoC B) Lindblad Expeditions 2014 (SBES Passage ZoC C) Requires complete survey, priority to create a safe corridor to Gourdin Island from MSR 2
G	Bernado O' Higgins and Approaches (Trinity Peninsula 63 09S, 58 09W)	C	A & C	INT 9102 (CL) 9154 (UK) 9155 (CL) HSM 3 20% complete Blocks surveyed by: AWI 2016 (Nachtigaller Shoal ZoC B) Chile 1998-2019 (Single Beam ZoC C) Chile 2024 (Multibeam ZoC U) Spain (transit western side) Surveys required in un-surveyed areas shown on ENCs

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MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
H	Curtiss Bay (Orleans Strait 64 01S, 60 49W)	C	D	INT 9165 (UK), 9155 (CL) & 9156 (AR) 0% complete Miscellaneous passage data only Requires complete survey
I	Hydrurga Rocks (Gerlache Strait 64 08S, 61 35W)	B	D (C)	INT 9165 (UK), 9156 (AR) & 9157 (CL) 55% complete CO 2023 (MBES East of Hydrurga Rks)
J	Alcock Island (Gerlache Strait 64 11S, 61 16W)	C	B (D)	INT 9156 (AR) & 9157 (CL) 50% complete Blocks surveyed by: Spain 2016 UK 2006 (HI1135 ZoC B) US 2002 (Nathaniel Palmer Swathe Scientific ZoC C) US 2001-10 (Scientific Cruise – unassessed) Surveys required southeast end
K	Portal Point (Gerlache Strait 64 26S, 61 42W)	C	B (C&D)	INT 9112 (UK) & 9166 (UK) 90% complete Blocks surveyed by: CO 2018 & 20 (Zoc B & C) UK 2006 (HI1195 ZoC B) UK 2021 (HI1753 ZoC B) Charlotte Bay close SE surveyed by UK. Survey required in vicinity of Portal Point (64 29S, 61 46W)
L	Enterprise Island (Gerlache Strait 64 11S, 61 16W)	B	B (C&D)	INT 9166 (UK) & 9157 (CL) 95% complete Blocks surveyed by: CO 2018 (SBES ZoC B) UK 2006 & 18 (HI1195 & 1541) UK 2022 (HI1753 ZoC B) Xplore Expeditions/SHOM 2013 (Racovitza Isl to Foyn Hbr) Requires survey between in the immediate approach to Enterprise Island Some depths to be disproved in area of CO SBES survey
M*	Melchior Islands and approaches (64 23S, 63 07W)	A	A (D)	INT 9157 (CL) & 9117 (UK) HSM 29 & 45 95% complete Blocks surveyed by: BAS 2000-05 (Scientific cruise JR84) Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 2016-17 (HI1439B ZoC A1) Requires small survey in NW segment
Ma*	Melchior Islands (64 18S, 62 57W)	A&C	A (B-D)	INT 9157 (CL) & 9117 (UK) HSM 29 & 45 60% complete Blocks surveyed by: UK 2019 (HI1541A ZoC B&D) Requires re-survey of north of Peace Island & southwest of Omega Island to join UK surveys

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MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
N	Errera Channel (Gerlache Strait 64 41S, 62 35W)	A	A (C&D)	INT 9103 (CL) & 9158 (UK) Includes Cuverville Is, Danco Is and Ronge Is. 70% complete Blocks surveyed by: Chile 2014 & 2016 Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 2006 (HI1099) & 2013 (PRTR) <b>Surveys required NW &amp; S of Cuverville Isl (64 41S, 62 37W), ZoC D</b> <b>Re-survey required east side of Danco Isl (64 44S, 62 35W), ZoC C</b>
O	Andvord Bay (Gerlache Strait 64 46S, 62 46W)	A	A (C)	INT 9158 (UK) & 9103 (CL) Includes Neko Harbour 100% complete. Blocks surveyed by: CO 2015 (vicinity of Useful Island) Chile 2014-16 Lindblad Expeditions 2014 (SBES Passage ZoC C) Spain 2017 (Andvord Bay) UK 2005-06 (HI1099 95% coverage)
P	Paradise Harbour (Gerlache Strait 64 52S, 62 52W)	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 Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 2006 (HI1195 80% including Leith & Oscar Cove) UK 2008 (Bryde Channel) UK 2018 (HI1541 Bryde Channel & Paradise Hbr ZoC B) <b>Surveys required at corridor edges including Killernet &amp; Sturm Cove &amp; SW of Bruce Isl (64 54S, 63 10.5W)</b>
Q	Neumayer Channel and Port Lockroy (Gerlache Strait 64 47S, 63 30W)	A	B (D)	INT 9158 (UK) & 9104 (CL) 100% complete HSM 61 & 84 Blocks surveyed by: Lindblad Expeditions 2014 (SBES Passage ZoC C) Chile 2010-16 Spain 2017 (70% coverage) UK 2005-10 (75% coverage) UK 2018 (HI1541 ZoC B)
R	Arthur Harbour (Bismark Strait 64 48S, 64 03W)	B	B (A)	INT 9105 & 9158 (UK) 100% complete Blocks surveyed by Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 2001 (SE approach to Arthur Harbour) UK 2012 (SW Approach to South Channel) UK 2017 (HI1438B Approaches to South Channel) US 1999-2010

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MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
S	French Passage (Graham Land 65 06S, 64 43W)	B	B	INT 9106 & 9158 (UK) HSM 27 100% complete (ZoC B) 50% complete with multibeam Blocks surveyed by Spain 2017 (65 10.2S 64 20.3W) UK 2011 (HI1347 ZoC A/B) UK 2017 (HI1439B) UK (BAS) 2009 (JR230) Surveys required adjacent to UK survey Consider resurvey to replace UK 1960-74 surveys NE of Quintana Islands over shoals
T	Prospect Point (Gerlache Strait 66 00S, 65 24W)	B	D	INT 9107 (UK) Miscellaneous passage data including: Lindblad Expeditions 2014 (SBES Passage ZoC C) Requires complete systematic resurvey
U	Pendleton Strait (65 58S, 66 32W)	B	B	INT 9159 (UK) 50% complete Blocks surveyed by: UK 1986 (K50% northwest) 2017 (HI1439B 50% southeast)
V*	Matha Strait (66 29S, 67 40W)	B	D	INT 9160 (UK) 100% complete Blocks surveyed by: BAS (Scientific cruise 2005/10) UK 2007 (HI1190 ZoC C) UK 2017-18 (HI1439B & 1541 Zoc B) UK 2021 (HI1753 ZoC B/C)
W	Detaille Island and Approaches (Arrowsmith Peninsula 66 48S, 66 54W)	C	D	INT 9117 & 9160 (UK) & 9161 (CL) Historic Monument 83; following restoration will receive increased vessel traffic. INT 9117 (UK) 65% complete (all shoals close to Island detected) Blocks surveyed by: UK 2021/22 (HI1753 ZoC B/C) UK 2014 (HI1384 ZoC A) INT 9160 (UK) Miscellaneous passage data INT 9161 (CL – schemed) Miscellaneous passage data Surveys required in the NW sector
X	Lallemand Fjord (Arrowsmith Peninsula 67 01S, 66 44W)	C	D (A)	INT 9161 (CL) 5% complete (95% miscellaneous passage) Blocks surveyed by: UK 2014 & 2021 (HI1384 Detaille Island ZoC A) & HI1753 ZoC B/C) US 1999 (NBP9903 Multibeam Scientific)
Y	Shumskiy Cove (Arrowsmith Peninsula 67 01S, 67 21W)	C	D (C)	INT 9108 (CL) 0% complete Requires survey

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MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
Z	Rothera (Adelaide Island 67 35S, 68 06W)	B	B (D)	INT 9109 & 9113 (UK) BAS and RN vessels 95% complete. Blocks surveyed by: UK 2021/22 (HI1753 ZoC B&C Rothera south-eastwards) UK 2007 (HI1190 Rothera south-eastwards ZoC C) UK 2008 (HI1701 Rothera Point north-eastwards) UK 2009 (BAS Rothera south-westwards) UK 2011/15 (HI1347 Rothera to Anchorage Island 80% coverage) 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 1970-90s surveys
Aa	Avian Island (Woodfield Channel 67 46S, 68 57W)	C	B	INT 9110 (CL) 100% Complete (by 1960s survey) Blocks Surveyed by: UK 1963 – 66 (ZoC B) BAS 2009 - 21 Requires modern resurvey 100%
Ab	Approaches to Millerand Island (Marguerite Bay 68 12S, 67 14W)	C	C (B & D)	INT 9111 (AR) HSM 26, 55 & 64 50% complete to ZoC B 80% Complete to ZoC C Blocks Surveyed by: Argentina 1981-82, 94-95 & 99 – 2000 UK 1966 UK 2007 (HI1190 ZoC C) UK 2018 (HI1541 10% Zoc C) UK 2021/22 (HI1753 ZoC B/C) US 2002 (NBP0201 Scientific Cruise) Requires resurvey 50% to increase ZoC above C
Ac	Port Foster and Neptunes Bellows (Deception Island / Bransfield Strait 62 57S, 60 38W)	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 2021Ed)
Ad	South bay and Hannah Point (Livingstone Island 62 43S, 60 32W)	A	A	INT 9121 (ES) HSM 91 100% complete. Blocks surveyed by: Spain 2011-12 & 16 (included on INT 9120) UK in 2006-07

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MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
Ae	McFarlane Strait (Livingstone/Greenwich Islands 62 30S, 60 00W)	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 ZoC A) Argentina 2020&23 (single beam) Yankee Harbour 100% HSM 57 Blocks surveyed by Argentina 1956 & 2023 (single beam) Chile 1956 UK 1935 UK 2005-07 (HI1193 ZoC B, HI1282, HI1190 ZoC C) McFarlane Strait 100% Spain 2016 (south-east of 62 31S) UK 2007 (HI1190 ZoC C)  Northern Approach 0% Surveys required north of Lister Cover and Duff Point (62 29.5S 60 01.9W)
Af	English Strait (Livingstone/Robert Islands 62 26S, 59 39W)	A	A-D	INT 9122 (CL), 9117(UK) & 9152 (BR/CL) 85% complete HSM 32 Blocks surveyed by: Brazil 2015 (Fort William south-eastwards) Chile 2023-4 (MBES ZoC U) Ecuador in 2004-12 (Cecila Island and in vicinity of Spark Point headland ZoC B) Spain 2016 (Ash Point south-eastwards) UK in 2005-07 UK 2024 (HI 1753 ZoC B, Rojas Cove) Surveys required in the approach north of Port William to replace 1969/70 CL survey & Mitchell Cove
Ag	Robert Point (Robert Island 62 29S, 59 18W)	C	D (U)	INT 9151 (BR/CL) 85% complete Blocks surveyed by: UK 2006-7 (HI1099 & 1190 ZoC C) Surveys required in the immediate vicinity of Robert Point
Ah	Nelson Strait (Robert/Nelson Islands 62 18S, 59 17W)	B	D	INT 9151 (BR/CL) 80% complete Blocks surveyed by: Chile in 2006-12 (Exploratory probe ZoC D) Spain 2018 (Transit between MSR 17) UK in 2006/7 (HI1190 ZoC C, HI1199 S of Parry Patch) US 2006-11 (Unassessed scientific passage, likely to be ZoC C)  Surveys required north of 62 15S and in areas adjacent to corridor

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MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
Ai	Maxwell Bay and approaches (King George/Nelson Islands 62 15S 58 47W)	A	C	INT 9123 (CL) Maxwell Bay 100% complete HSM 52 & 86 RoK 2019-23 (N of 62 16S) Spain 2016 (Ardley to 62 20S) UK 2006-8 (HI1099 & 1190 ZoC C Ardley to Pig Rock) UK 2010 & 18 (HI1541 between Pig Rock & Low Rock) UK 2011 (HI1347 Ardley Island to exit) Uruguay 2008-12 Ardley Cove 100% complete HSM 50 & 82 Chile 2003-07 Chile 2023 (Artigas multibeam ZoC U) UK 2005 & 08 (25%) Uruguay 2008-12 (80%) Marian Cove 100% complete Chile 2003-07 RoK 2019/20 (100%) UK 2006 (HI1099 75%) Potter Cove 100% HSM 36 Argentina 2005-07 Chile 2003-07 RoK 2019 (100%) UK 2012 Uruguay 2008-12
Aj	Admiralty Bay (King George Island 62 10S 58 23W)	A	A	INT 9125 (BR/PE) MSR 100% complete HSM 51 Admiralty Bay: Brazil 2008-18 (RA407/13) UK 2007 (HI1190 ZoC C 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 ZoC C 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) <b>Survey required Dufayel Isl westwards (non MSR)</b>

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MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
Ak	Penguin Island and approaches (King George Island 62 07S 57 55W)	A	A+C	INT 9112 (UK) (9126 & 9127 BR) 70% complete UK 2006/7 (HI1099, ZoC A1, 1190 ZoC C & HI1347 ZoC A1) UK 2023/4 (HI 1753 ZoC U)
Al	Cape Lookout (Elephant Island 61 16S, 55 06W)	C	B	INT 9112 (UK) (9150 BR) HSM 74 90% complete Blocks surveyed by: Brazil 1988/9 & 1998/95 (Zoc B)
Am	Point Wild (Elephant Island 61 04S, 54 51W)	A	A	INT 9112 (UK) (9150 BR) HSM 53 100% complete Blocks surveyed by: Brazil 1998-95 (BR25115) UK 2012 (HI1385 100% coverage on INT9112 – ZoC A)
An*	Cape Valentine (Prince Charles Strait & Cornwallis Island 61 06S, 54 33W)	B	B	INT 9150 (BR) 100% Complete Blocks surveyed by: Brazil 1998-95 (BR25115 ZoC B) Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 2012 (2015-101250 passage)
Ao	Danger Islands (Erebus & Terror Gulf 63 23S, 54 45W)	C	D	INT 9154 (UK) Miscellaneous passage data Requires complete survey
Ap	Dundee Island (Erebus & Terror Gulf 63 28S, 55 57W)	C	C & D	INT 9154 (UK) 60% complete Blocks surveyed by: Argentina 2005-07 UK 1995-9 (HI583 & HI1790 Petrel Cove) UK 2006 (HI1131 Firth of Tay ZoC B) US 2006-7 (Unassessed scientific passage Firth of Tay)  Survey required in Active Sound east of Diana Reef Surveys planned in Active Sound by AR 2021-23 west of Active Reef
Aq	Herbert Sound (Erebus & Terror Gulf – Vega Island 63 54S, 57 25W)	C	D	INT 9153 (UK) 90% complete ZoC C Blocks surveyed by: UK 2007 (HI1198 ZoC C) Low priority resurvey to attain ZoC B or above
Ar	Historic Monument 38 (Erebus & Terror Gulf – Snow Hill Island 64 21S, 57 01W)	B	D	INT 9153 (UK) Miscellaneous passage data Requires complete survey
As	Freud Passage (Brabant Island 64 14S, 62 03W)	B	D	INT 9156, 9170 (AR) & 9157 (UK) 5% complete Miscellaneous passage data UK 2006 (HI1195) UK 2017 (HI1439B ZoC B) Requires complete survey

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MSR	Name	Usage category	Charted ZoC*	INT Chart Coverage & Survey Information
At	Booth & Pleneau Islands & Port Charcot (Lemaire Channel 65 02S, 53 59W)	C	D (C & D)	INT 9118 & 9158 (UK) HSM 28 35% complete. Blocks surveyed by: Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 2006 (HI1134 ZoC B) Xplore Expeditions/SHOM 2013 Requires survey beyond 2013 surveys above indicated by ZoC B&C on ENC, with focus on connecting to Penola Strait (MSR 6D)
Au	Gunnel Channel (Adelaide island 67 05S, 67 31W)	C	D	INT 9108, 9161 (CL) & 9171 (UK) 80% complete Blocks surveyed by: BAS 2007 (JR165 ZoC C) Lindblad Expeditions 2014 (SBES Passage ZoC C) UK 2017/18 (HI1439B ZoC B, 1541 ZoC C) Survey required north of Bagnold Point (67 0.97S, 67 28.92W)
Av	Pourquoi Pas Island (Falliers Coast 67 35S, 67 10W)	C	D (B)	INT 9163 (UK) & 9161 Miscellaneous passage data 80% complete Blocks surveyed by: BAS 2009 (JR230 ZoC C) UK 1996 (HI1701 Pinco Island) UK 2017 (HI1439B Horsehoe Island westwards ZoC B) UK 2018 (HI1541 Bigourdan Fjord ZoC B) UK 2021-23 (HI1753 Bigourdan & Bourgeois Fjord The Narrows ZoC B)  Blind Bay surveyed by BAS ZoC C  Survey required in southern the outer approach (67 50.51S, 67 38.45W)
Aw	Cierva Cove (Gerlache Strait 64 08S, 60 54W)	A	B & D	INT 9165 60% complete Blocks surveyed by: Colombia 2017 (60 59W westwards ZoC B) Lindblad Expeditions 2014 (50% coverage SBES ZoC C) Spain in 2016 (transit into CO data, Order 1A) UK 2006 (HI1135 ZoC B) US 2007 (NBP0703 Scientific Cruise - unassessed)) Requires survey west of CO data
Ax	Orne Harbour (Arctowski Peninsula 64 37S, 62 31W)	B	A	INT 9103 (CL) 95% complete. Blocks surveyed by: UK 2013 (PRTR MBES 2013-3741 ZoC A/B TBC)
Ay	Mickelsen Harbour (Trinity Island / Orleans Strait 63 55S, 60 46W)	B	B	INT 9165 (UK) 80% Complete Surveyed by: Colombia 2017 (ZoC A) Survey required to connect with Orleans Strait (63 56S, 60 47W)

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Az	Wilhelmina Bay (Gerlache Strait 64 35S, 61 59W)	B	B (D)	<p>INT 9166 (UK) &amp; 9157 (CL) 99% complete Blocks surveyed by: Colombia 2018/19 (75% coverage ZoC B) Spain 2017 (64 26.4S 61 57.3W) UK 2006 (HI1195 Gerlache Strait 5% coverage) UK 2018 (HI1541 ZoC B Gerlache Strait 5% coverage) UK 2021 (HI1753 ZoC B East side of Nansen Island &amp; Delaite Isl) US 2002 (5% coverage RV N Palmer)</p> <p>Bancroft Bay close SE surveyed by UK 2021 West of Pelseneer Island surveyed by UK 2021</p> <p>Small survey required Foyn Hbr (64 33.40S, 62 0.09W) &amp; east of Shom Rock (64 34.26S 62 18.35W)</p>
Ba	Elephant Point & Approaches (Falliers Coast 62 45S, 60 47W)	C	A (D)	<p>INT 9121 (ES) 95% complete Blocks surveyed by: Spain 2012 &amp; 2017 (ZoC A1) Unsurveyed close in shore 0-10m</p>
Bb	Horseshoe Island Sally Cove & Apps (Falliers Coast 67 47S, 67 18W)	C	<p>Sally Cove = B</p> <p>Lystad Bay = A</p>	<p>INT 9113 &amp; 9163 (UK) HSM 63 Sally Cove 25% complete Blocks surveyed by: BAS 2009 (JR230 25% coverage ZoC C) UK 2018 (HI1439B ZoC B) &amp; 2021 (HI1753 ZoC B) Surveys planned by Türkiye inside 30m Survey planned 2024 by UK between 30m and existing UK surveys</p> <p>Lystad Bay 80% complete Blocks surveyed by: Türkiye 2019/20 &amp; 23 Survey planned 2024 by Türkiye</p>

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NOT TO BE USED FOR NAVIGATION

