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UKHO Archive Catalogue of Collections

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Contents

UKHO Archive Catalogue of Collections	1	
Introduction to the catalogue	5	
Acknowledgements	6	
Overview of collections	7	
Catalogue of collections	11	
AAC	Additional Admiralty charts (not OCB 'old copy bundles')	11
ACB	Air Chart Branch records	16
ACO	Artificial collections	16
ACS	Accessions (2016 onwards)	18
ADM 344	Views	18
APR	Admiralty Raster Chart Service (ARCS) production records	21
ART	Artifacts	22
AWN	Allied Worldwide Navigation Information System (AWNIS) records	22
BDR	Bathymetric data records	22
CAB	Cables records	23
CBR	Chart Branch records	24
CCO	Chart Corrections Office (C.C.O.) records	91
CCP	Catalogues of printed charts and publications	91
CIB	Chart Issues Branch records	93
CMU	Chart Maintenance Unit records	95
COD	Catalogues of original documents	95
CON	Conservation records	99
CPY	Copies of records	100
CRB	Composite Remark Books	100
CTR	Contracts Branch records	101
DIS	Displays created by the Archive and other departments	101
DVY	Discovery Committee records	102
EPR	Electronic Navigational Charts production records	103
FNR	Finance records	103
GDY	Geodesy records	103
GEB	GEBCO (General Bathymetric Chart of the Oceans) records	104
HD	Registered Files 'HD' Papers	105
HIG	Hydrographic instruction graphics	106

HOL	Hydrographic Office library	107
HOO	Hydrographic Office orders to ships	108
HOP	Hydrographic Office pictures	108
HOR	Hydrographic Office reports	109
HRR	Human Resources records	109
HTP	Hydrographic Office technical publications	110
ICT	Information Communication Technology Services records	111
IHO	International Hydrographic Organization (IHO) records	111
ILB	Indexes to Letter Books	112
IMB	Indexes to Minute Books	113
IPR	Intellectual Property records	113
IRB	Individual Remark Books	114
ISLB	Indexes to Surveyors' Letter Books (out letters)	114
LB	Letter Books	115
LLR	Lights Lists records	115
LOD	Lists of oceanic depths	117
LOS	Law of the Sea records (and maritime limits)	118
LP 1857	Incoming Letters prior to 1857	119
MAM	Marketing advertising material	120
MAP	Maps, published	121
MB	Minute Books	134
MBE	Enclosures to Minute Books	138
MEF	Media films	139
MEL	Meteorological data	139
MLP	Miscellaneous Letters and Papers	141
MP	Miscellaneous Papers (Remark Books)	142
MR	Miscellaneous rolls	142
NAO	Her Majesty's Nautical Almanac Office records	143
NEM	NEMEDRI [North European, Mediterranean Routing Instructions]	145
NMR	Notices to mariners records	145
NPR	Nautical publications records	148
OAW	Original artwork	154
OCB	Record copies of Admiralty charts ('old copy bundles')	155
OCC	Other printed chart catalogues (non UKHO)	158

OCG	Official corporate gifts	162
OCS	Cancelled and superseded Foreign Government Symbols, Abbreviations and Terms used on charts	162
OCY	Oceanography records	165
OD	Original Documents	166
ONM	Other notices to mariners records (non-UKHO)	166
OPC	Other printed charts and maps (non-Admiralty)	167
OPT	Offprints	174
PGY	Photogrammetry records	174
PMC	Polar Medal Committee records	175
PRR	Production records	176
H, HA	Registered files	183
REG	Registry records	183
RNW	Radio Navigational Warnings records	200
RSR	Radio Signals records	201
S Papers	S Papers	202
SAR	Sailing Directions Branch records	203
SCR	Ships' commissioning records	205
SCT	Secretariat records	206
SFD	Survey field data	206
SL	Incoming Surveyors' Letters	211
SLB	Surveyors' Letter Books (out letters)	212
SLG	Ships' logs	212
SMB	Special Minute Books	212
SPD	Ships' plans and diagrams	213
SPR	Survey planning records	213
TBR	Tidal Branch records	214
UHR	Unofficial hydrographic records	216
UNR	Unidentified records which require further attention	217
USR	Unofficial staff records (including clubs, societies, publications etc)	217
WKO	Wrecks Office records	218
	Hydrographic surveys and incoming data, 1713-2016	218
	Appendices	221
	Appendix 1: Hydrographers of the Navy	221

Appendix 2: Abbreviations	223
Appendix 3: Accessions	232
Bibliography	243

Introduction to the catalogue

This is a high-level catalogue of the data types and collections held in the UKHO Archive. As well as providing a description of all the collections held in the Archive, it lists the series within each collection, together with covering dates. It predominantly covers analogue records, with a few exceptions for records held on CD. The UKHO's practice for selecting born digital records will remain essentially the same as that for paper and steps are currently under way to plan for their availability. We plan to maintain the availability of our products for researchers across the transition from the paper chart to succeeding electronic forms.

Collections have been arranged by creator if possible. In some cases, due to the seemingly ever changing office structure, it has not proved possible to identify the creator's role, or office and therefore the material has been arranged by record type. It is hoped that when the individual series within each of these collections is catalogued in greater detail, a creator can be identified and the records transferred to sit within the appropriate collection. As cataloguing progresses the following collections' descriptions, listings and covering dates will be refined and updated.

UKHO staff should use this *catalogue* with the 'UKHO Collections Listing 2016' spreadsheet. This gives further information regarding the extent and location of records under the following headings:

- Title of collection
- Title of series
- Title of sub-series
- Unique UKHO Archive ref
- Former UKHO ref
- TNA catalogue title (if applicable)
- TNA catalogue ref (if applicable)
- First date
- Last date
- Description of content
- Creator(s)
- Public record (yes/no)
- Authority for selecting this as a public record
- Retention period
- Format
- Extent
- Catalogued to TNA standards?
- Estimate of number of person years to catalogue to item level
- Conservation requirements
- Finding aids
- Arrangement
- Reprographic rights
- Location

Where a catalogue or other finding aid exists for a collection, this is indicated in the spreadsheet and in this *Catalogue*. For those collections which have not been listed, details of the title and location of items within a series may sometimes be found in the 'Complete Document Listing' spreadsheet entitled *Contents - numbers, complete listings*.

Hydrographers of the Navy are referred to in the following collections descriptions by surname only, except for J.F. and W.E. Parry. A complete list of the names of appointment and termination of

Hydrographers can be found in Appendix 1 at the end of this document. Note: there were two members of the Parry family who served as Hydrographer, necessitating the use of the initials of their forenames when mentioned.

The terminology used in this document has been simplified wherever possible. The term 'Hydrographic Office', or 'H.O.', refers to the office established in 1795 that is today's UK Hydrographic Office. This has been used instead of the term 'Department' as there were many departments within the Hydrographic Office during the period when the vast majority of classes of records were created.

Due to the large amount of transformation work and retrospective cataloguing work required within the archive, some of the records in this guide may require appraisal and selection before being formally accessioned and recognised as the part of the UKHO's place of deposit. This is a work in progress.

As much archive material has been made available as possible to researchers. However, some items in the collections will be subject to data protection legislation, and some items may be closed for security reasons.

Until such time as all the 19th century records have been catalogued in full, this catalogue of collections should be used in conjunction with ACF David's *A Provisional Catalogue of Logs, Journals, Documents, Letters, Record Copies of Books and Pamphlets* published by The Hydrographic Department, 1974. Some of the *Provisional Catalogue of Logs, Journals, Documents, Letters, Record Copies of Books and Pamphlets* have been replaced by more detailed descriptions.

Some information provided in this *Catalogue* has been used by The National Archives to update the UKHO's retention instrument.

Acknowledgements

This *Catalogue* was compiled by Annabel Welsh, Dr Adrian Webb and Zoe Watson. Many colleagues have contributed to specific entries relating to their area of subject matter expertise. The authors express their thanks for their co-operation. A special note of thanks goes to our colleagues in the Archive who have answered numerous questions about the provenance of many of the collections documented in this *Catalogue*.

Overview of collections

The Archive comprises the following collections:

AAC	Additional Admiralty charts (<u>not</u> OCB 'old copy bundles')
ACB	Air Chart Branch records
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ACS	Accessions (2016 onwards)
ADM 344	Views
APR	Admiralty Raster Chart Service (ARCS) production records
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HD	Registered Files HD Papers

HIG	Hydrographic instruction graphics
HOL	Hydrographic Office library
HOO	Hydrographic Office orders
HOP	Hydrographic Office pictures
HOR	Hydrographic Office reports
HRR	Human Resources records
HTP	Hydrographic Office technical papers
IHO	International Hydrographic Organization records
ILB	Indexes to Letter Books
IMB	Indexes to Minute Books
IPR	Intellectual Property records
ISLB	Indexes to Surveyors' Letter Books (out letters)
LB	Letter Books
LLR	Lights Lists records
LOD	Lists of oceanic depths
LOS	Law of the sea records (and maritime limits)
LP 1857	Incoming Letters prior to 1857
LR	Long rolls
MAM	Marketing advertising material
MAP	Maps
MB	Minute Books
MBE	Enclosures to Minute Books
MEL	Meteorological data
MLP	Miscellaneous Letters and Papers
MP	Miscellaneous Papers (Remark Books)
MR	Miscellaneous rolls
NAO	Her Majesty's Nautical Almanac Office records

NEM	NEMEDRI
NMR	Notices to mariners records
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OAW	Original artwork
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OCY	Oceanography records
OD	Original Documents
ONM	Other notices to mariners records (non-UKHO)
OPC	Other printed charts and maps (non-Admiralty)
OPT	Offprints
PGY	Photogrammetry records
PMC	Polar Medal Committee records
PRR	Production records
REG	Registry records, see also:
Bath	Bath series files
CIB	CIB series files
H	H series files
HA	HA series files
HC	HC series files
HH	HH series files
HMO	HMO series files
HP	HP series files
HP	HP (Nottingham) series files
	(Nottingham)

HS	HS series files
HW	HW series files
RSR	Radio Signals records
S Papers	S Papers
SAR	Sailing Directions records
SCR	Ships' commissioning records
SCT	Secretariat records
SFD	Survey field data
SL	Incoming Surveyors' Letters
SLB	Surveyors' Letter Books (out letters)
SLG	Ships' logs
SMB	Special Minute Books
SPD	Ships' plans and diagrams
SPR	Survey planning records
TBR	Tidal Branch records
UHR	Unofficial Hydrographic records
UNR	Unidentified records which require further investigation
USR	Unofficial staff records (including clubs, societies, publications etc)
WKO	Wrecks Office records

Catalogue of collections

AAC Additional Admiralty charts (not OCB 'old copy bundles')

These are printed Admiralty charts that were passed to the archive but were never entered into the **OCB** ('old copy bundle') series, usually because they did not have a standard number or were overlooked. There may be some duplication between the collections below and the OCB series, as well as the 'Original Documents'.

These are an addition to the main **OCB** series and reflect the diverse nature of charts produced by the office from 1800-2012. This series also contains examples of charts from surveys funded by the Admiralty or the British Government before the Hydrographic Office published its first chart in 1800. For example, **AAC 3** is a 1774 printing of Great Britain's Coasting Pilot that was first published in 1693; **AAC 6** is a 1776 printing of Prof. Murdoch Mackenzie's surveys prepared whilst he served as 'Admiralty Surveyor'; **AAC 12** contains some examples of charts produced by Alexander Dalrymple whilst Hydrographer to the HEIC; **AAC 47** comprises charts and views based on the work of J.F.W. Des Barres, Army and Royal Navy surveyors in the second half of the 18th century on the east coast of North America.

AAC 1	Coastguard charts of England, Scotland and Ireland, corrected to 1914
AAC 2	Beaufort atlas of Karamania, 1811-1812
AAC 3	Greenville Collins folio, 1774
AAC 4	Smyth's atlas of Malta and Sicily, 1823
AAC 5	Dalrymple's chart atlas of New Holland and Pacific, 1796
AAC 6	Atlas of charts of Ireland and West coast of Britain, 1776
AAC 7	East India Company cancelled chart atlas, c. 1866-c. 1900
AAC 8	Experimental chart (2649) for HM ships experiment on radar, c. 1952
AAC 9	Route chartlets of East coast of England and Northern Europe, c. 1939-c. 1945
AAC 10	Australian fleet charts special folio, withdrawn 1930
AAC 11	Australian sailing directions charts, late 19 th century
AAC 12	Pulls of chart copper plates, 18 th -19 th centuries
AAC 14	Ships Boats Charts and Drawing Material, c. 1940-c. 1950
AAC 15	World Distances, undated [c. 1900-1950s]

- AAC 16** Royal Tour charts, includes tours by Queen Elizabeth II and HRH Prince Philip, and other members of the Royal family, 1952-1989
- AAC 17** Charts and material relating to Queen Elizabeth II's Diamond Jubilee 2012; Olympic games material 2012; commemorative 25th anniversary poster for the Falkland Islands conflict 2007, 2007-2012
- AAC 18** Fleet Review charts, 1856-2005
- AAC 19** Eastern Mediterranean Press Charts, 1915-1919
- AAC 20** General Air Charts 200-401, 1918-1919
- AAC 21** Coastal Charts, 1918
- AAC 22** Eastern Mediterranean Survey, 1935-1936
- AAC 23** Fleet Hydrographic Office Middle East, 1941-1943
- AAC 24** German Black Sea Mine Charts, 1918-1919
- AAC 25** Surveys of Egypt 'local charts', 1917-1920
- AAC 26** Eastern Mediterranean 'D' Charts, 1915-1918
- AAC 27** Eastern Mediterranean Press Hydrographic Department, miscellaneous charts, 1916-1919
- AAC 28** 'E' series of chartlets accompanying local notices to mariners, Egypt, 1916-1919
- AAC 29** Miscellaneous folder of East Mediterranean and Black Sea charts, 1916-1918
- AAC 30** 'M' Charts produced by Fleet Hydrographic Officer, Alexandria, Egypt, 27 Mar 1940 and 31 Dec 1943, with index information
- AAC 31** Charts and tracings formerly ex Base Defences Mediterranean, 1935-1936, including correspondence relating to the return of charts
- AAC 32** Berserk chain in the Portsmouth, England area, 1958-1959
- AAC 33** North Sea Hydrographical Commission Charts, 1973-1992 [Former reference number NSHC 1-2]
- AAC 34** Scapa Flow and approaches, Orkney Islands, 1946 [Annotated to show wrecks]

AAC 35	Battle of Jutland
AAC 35/1	Operations Division of Naval Staff under the superintendence of Captain J.E.T. Harper M.V.O., R.N. and produced by the Hydrographic Department, Admiralty, 1916 ¹
AAC 35/2	German plans of intended operations, Battle of Jutland, 1916, Nos. 1-7 ²
AAC 36	East Indies Chart Production Unit, 1945
AAC 36/1	East Indies Chart Production Unit, under direction of Captain A. Day CBE, RN, 1945 [Some charts produced in HMS <i>White Bear</i>], Nos. E.I.10.018-E.I.10.305
AAC 36/2	E.I. Miscellaneous nos. 13-44, including Plotting table diagram with grid overprint, 1945
AAC 37	Eastern Fleet Chart Production Unit, under direction of Capt A.G.N. Wyatt R.N., 1943-1946
AAC 37/1	Nos. 1-532, with index, 1943-1944
AAC 37/2	Miscellaneous nos. 1-13, 1943-1946
AAC 38	Miscellaneous charts found with Eastern Fleet Chart Production Unit and East Indies Chart Production Unit, 1945
AAC 39	East Africa Force Charts nos. EAF 249-730, 1913-1941, reproductions of Italian and British charts, reproductions of French maps, gridded British charts of Indo-China and Eastern archipelago area, Gnomonic D/F chart of Indian Ocean
AAC 40	Technical History Section of Admiralty Charts, 1917
AAC 41	Zeebrugge Charts, 1930
AAC 42	Sea Ice Distribution in the Atlantic between 7° and 92° W, John A. Heap, 1963, published by Hydrographic Department
AAC 43	Naval Staff Intelligence Department, 1929
AAC 44	Map prepared by Admiralty War Staff, I.D., drawn and printed at Ordnance Survey, of Baltic States, Turkey and River Euphrates (H1704/1919), 1917
AAC 45	Fleet Review Charts, 1910s-1960s

¹ [Digitised]

² [Digitised]

- AAC 46** Proofs of copper plates 18th – 19th century. See also **AAC 12**
- AAC 46/1** Proofs of copper plates, numbers 0-5000 and upwards, including index sheets A-V2, W 18th – 19th century
- AAC 46/2** Proofs of copper plates by Alexander Dalrymple, 18th – 19th century
- AAC 46/3** Proofs of copper plates by Horsburgh, 18th – 19th century
- AAC 47** Des Barres' charts and views, 18th- 20th century

Joseph Frederick Wallet Des Barres was descended from a refugee Huguenot family and was trained at Woolwich. He was present at the St Lawrence Campaign of the Seven Years War with Captain James Cook and Major Samuel Holland. After the Peace of Paris he was sent to Nova Scotia and the American colonies for 10 years continuous surveying. He returned to England in 1774 and was engaged on the publication of his charts of the American coast which became urgent because of the outbreak of the American War of Independence.

The result was a series of engravings of views and charts, first published in 1777 as the "Atlantic Neptune" series and revised over a period of ten years (see Professional Paper 13 for further details).

There were in all between 250 and 260 separate sheets of which many were re-issued in amended form as new information came to hand, so extending to a complete set of over 780 distinct issues. The engraved copper plates remained in the possession of Des Barres until 1820 when they were purchased by the Board of Admiralty. In later years the charts from these plates were superseded by others, and in 1828 the plates were examined with a result that 167 were set aside for replenishing for further engraving of charts and 84 were sold. Of those retained untouched, 30 were of the Canadian coast and 34 of the eastern shores of the USA. In view of their historical interest, these were presented by the Admiralty in 1946 and 1947 to the governments of the countries whose territories they cover (See Appendix C).

The Hydrographic Office holds in addition to the manuscript surveys, copies of the charts that were engraved and published. These are in 2 forms and are shown on a graphical index.

Appendix A-C available as separate documents.

Appendix A [ref AAC 47]

Of the early impressions from plates by Des Barres we hold approximately 170 charts and 30 views. The copies sometimes show differences as the plates were amended between issues. Many are hand coloured to distinguish topographical details. They have been given a designated office

number from 1 to 84. Appendix A is not the complete list of Des Barres holdings in the Hydrographic Office. The copper plates which were disposed of had proofs pulled before destruction. A complete set of these are held and can be identified as Cancelled Copper 'A' charts. Please refer to the Cancelled Copper Pulls Catalogue 'A' series. The list has not been checked against the holdings – 2019.

Appendix B

The Nova Scotia Atlas. These are copies of the "Atlantic Neptune" bound into a volume. The index shows the charts cross referenced to the separate sheets in Appendix A.

Appendix C

List of Copper Plates presented to USA and Canada.

See also: **Z52** Originals surveys by Des Barres from which the plates were engraved

Z52/1 Nova Scotia between the entrance to St. Margaret's Bay and Canso, 1764-1765

Z52/2 Nova Scotia between the entrance to St. Margaret's Bay and Canso, 1764-1765

Z52/3 SW of Nova Scotia from Isle Hope to Cape Sable, Seal Islands, Cape Fourchu, 1764-1765

Z52/4 Nova Scotia, Sambro light house to Rugged Islands, 1764-1765

Z52/5 North coast of Nova Scotia, River Philip to Thoms Head, 1764-1765

Z52/6 Port Amherst and Townsend Harbour, 1764-1765

Z52/7 Ramshick Harbour to River Philip, 1764-1765

Z52/8 Port Hood, 1764-1765

Z52/9 Richmond Harbour to Richmond Inlet, 1764-1765

Z52/10 St Peters Bay, 1764-1765

Z52/11 Crow Harbour and view, 1764-1765

Z52/12 No details

Z52/13 Views of Cape Blowmedown, Cape Split, Spencers Island and entrance to Mines Bason, Isle Haut and Cape Chegrecto, 1764-1765

Z52/14 Torbay with colour view of Berry Head and White Head Islands, 1764-1765

Z52/15 Nova Scotia, 1764-1765

AAC 47/1 Index of impressions made from Des Barres copper plates in 1947-1948 including areas of West Indies, Newfoundland to Bermuda, Cape Breton to Delaware Bay, 18th Century-1948

AAC 47/2 Des Barres Charts numbers 1-84, 18th Century

AAC 47/3 Des Barres Views 8-81, 1-28, 18th Century

AAC 47/4 Des Barres A series cancelled copper plate pulls, 18th Century

AAC 47/5 Des Barres modern pulls from copper plates, 18th Century – 20th Century

AAC 47/6 Des Barres mounted prints from copper plates, 18th Century – 20th Century

AAC 47/7 Des Barres original drawings, 18th Century

Related records:

OCB Record copies of Admiralty charts ('old copy bundles')

OPC Other printed charts and maps (non-Admiralty)

ACB **Air Chart Branch records**

ACB 1 Naval air pilots, 1943

ACB 2 User guide for airdata extract system, 1991

ACO **Artificial collections**

These collections have not evolved as part of the activities or administration of the Hydrographic Office but have been assembled by staff (at an unknown date) for a particular purpose.

ACO 1 'D' Day material, 1942-2004

ACO 2 Falklands conflict, 1980s-1990s

ACO 3 Building plans, construction paperwork and related records, mainly 2000s

ACO 4 Operation Neptune, c. 1939-1945

- ACO 5** Operation Granby, 1990-1991
- ACO 6** Coastguard Charts 1874, used by the Hydrographic Department
- ACO 7** Miscellaneous Folios, printed charts, data sources, 1878-1970
- ACO 8** Folder of miscellaneous diagrams and information, 1854-1932
- ACO 9** Examples Illustrating the State of Admiralty Charts, 1 Sept 1945
- ACO 10** Fleet Review Pamphlets, 1910s-1960s
- ACO 11** Charts by various producers, 18th-19th century
- ACO 13** Collection of documents perhaps separated from their original location, 19th century: 1 Non-Hydrographic office item, Portsea Island reclamation; 2 Non-Hydrographic office item, chart of the Bay of Charges, Royal Society, plate V, 1829; 3 Non-Hydrographic office item, chart of the Bay of Limon or Navy Bay, Royal Society, plate IV, 1829; 4 Tracing of River Thamer, Barrow Deep, tracing to fit chart, 1607; 5 Survey with cross reference to enclosure S76/1893, I, Boura Bay, c. 1893; 6 Survey with cross reference to S76/1893, II, Port Bouquet, Tupeti Bay and Nemmen Bay, c. 1893; 7 Survey with cross reference to S76/1893, III, Banaie Bay, c. 1893; 8 Survey roughs, Carataka Shoals, 4 miles south of the west end of the Grand Hubby Bank, undated; 9 Survey roughs, The Vivorillas, undated; 10 Survey roughs, Nicaragua, Hog Cay, Mosquito Coast [refer to L753, D2946, D2947 and chart 605 12° N or S unknown 20', 83° 37' W], undated; 11 Survey Caribbean, South Coast of Dominican Republic, vicinity of Jacmel, Smith and Alenutt, 1951; 12 Costa Rica, Pope Island, Saddle Hill, Captain Barnett, HMS *Thunder*, 1839-1840; 13 Costa Rica, Plantain Cay, Toobo Bo Bight, Captain Barnett, HMS *Thunder*, 1839-1840; 14 Survey roughs, Ascension Bay, undated
- ACO 14** Cobweb surveys by the Royal Navy, c. 1930s-1940s
- ACO 14/1** Cobweb surveys of River Humber, c. 1930s-1940s
- ACO 14/2** Cobweb surveys of River Thames, c. 1930s-1940s
- ACO 14/3** Cobweb surveys of River Medway, c. 1930s-1940s
- ACO 15** River Severn barrage feasibility study and set of surveys, surveyed by the Royal Navy, 1926-1927

ACS

Accessions (2016 onwards)

Accessions received by the Archive from 2016 onwards. This does not include extensions to existing series records received from 2016 onwards that have been added. From 2011-2016 only a few details about accessions were recorded and any paperwork was kept with the records themselves. Any accessions received before 2016 will not have been given the reference ACS. Many accessions before 2010 (except survey data) may not have any accompanying paperwork, unless they have a reference written on them starting with a letter 'H' or 'S'; this is followed by a short series of numbers which refers to a registered file that may or may not have survived.

Once an accession is fully catalogued, it will join an existing collection (or form a new collection where appropriate) and be allocated that collection's three letter reference code (the accessions number will remain 'in the background' for administrative purposes).

Staff should use the Accessions Register for a complete and up-to-date listing. See also **Appendix 3**.

ADM 344

Views

Views were used in the publication of charts and sailing directions, and occasionally for planning purposes.

Coastal views were created to provide navigators with depictions of the coast, especially harbours, ports, navigational lights, markers and hazards. Some of these views appeared on published Admiralty charts and in Admiralty sailing directions. They are found in albums and sketch books, as extracts from printed and manuscript charts. These views were created by Royal Navy, Merchant Navy and civilian personnel. They are of world-wide coastal and riverine scenes.³

The quality and size of the views varies. Some are watercolour sketches; others are simple drawings in pen and ink. Many are published, such as engravings, photographs, lithographs and postcards. Some are thumbnail sketches, whereas the longest is 5 metres by 1 metre.⁴ This collection also contains photographic prints, hand drawn sketches, rolls of photographic film, tracings, drawings on film, some correspondence, all in varying shapes and sizes, from the 1830s up to the 1980s.⁵

They provide a record of geological formations, physical geography, coastal topography, shipping, shore installations, lighthouses, navigational figures, forts and other buildings. They also show the work of the hydrographic surveyor over a period of 250 years. As drawing was a fundamental part of a young sailor's education, there are some examples of views that are of a high standard and are

³ A.J. Webb, *Guide to the Views in the United Kingdom Hydrographic Office Archive Collection*, (2017), p.4.

⁴ UKHO Archive, D1377 view of Sevastapol.

⁵ Webb, *Guide to the Views in the United Kingdom Hydrographic Office Archive Collection*, p.4.

works of art in their own right.⁶ Roughly speaking the quality of views accumulated by the Admiralty developed from some basic profiles into works of artistic merit by the end of the 18th century. By the end of the 19th century the practical use of views meant that the basic profile was all that was required for Admiralty products. About the same time photography was becoming more common, and this eventually became the normal way of recording views of the coast.⁷

There were five types of view. These were classified in 1980 as panoramic, portrait, pilotage, aerial oblique and close-up.⁸

In addition to views being of primary use to navigation, occasionally illustrations of ethnographical interest were recorded. Sometimes these were simply included as they appeared in the view of the coast. At other times they were drawn separately, specifically as a matter of record of something that must have been unusual and noteworthy.⁹

The Admiralty was accruing coastal views before the Hydrographic Office was established in 1795. In 1823 Lieutenant A.B. Becher started listing the 'original documents' in the office. These were mainly manuscript surveys and foreign government charts, but included some views. Subsequently when a volume of views was received it was usually given a unique archival reference. He inserted the smaller views and sketches in 'View Portfolios' that were later migrated into View Albums.¹⁰ It appears that many views that were in volumes, such as sketch books, were kept as such until the end of the nineteenth century.¹¹

The first photographic views were received in the Department as early as 1854.¹²

The usual practise was to include views and sketches on the original survey fair sheet. A landmark decision in 1861 resulted in an order for views to be sent in to the office on separate sheets and recorded and retained in the View Albums. This made the production process simpler as the view engraver did not have to handle the survey fair chart.¹³

Many of the view originals were disposed of in the 1880s during a re-cataloguing of the collection.¹⁴

A 'Guide to the views in the UK Hydrographic Office Archive Collection' was compiled by Dr Adrian Webb in 2017. This includes an introduction and general history of views, as well as details on the arrangement and composition of the various series of views held at the UKHO. There is also

⁶ Webb, 'Guide to the Views in the United Kingdom Hydrographic Office Archive Collection', p.4.

⁷ Webb, 'Guide to the Views in the United Kingdom Hydrographic Office Archive Collection', p.6.

⁸ Hydrographic Department, *Views for sailing directions* (Taunton, 1980), p.9.

⁹ Webb, 'Guide to the Views in the United Kingdom Hydrographic Office Archive Collection', p.6.

¹⁰ Pascoe, *The story of the Curator of the Hydrographic Department of the Admiralty*, pp.36-37 and Webb, 'Guide to the Views in the United Kingdom Hydrographic Office Archive Collection', p.7.

¹¹ Ex inf Dr A.J. Webb, 2017.

¹² Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.29.

¹³ Webb, 'Guide to the Views in the United Kingdom Hydrographic Office Archive Collections', pp.7-8.

¹⁴ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.28.

information about what other material in the Archive should be consulted when looking for views. This guide is held electronically and there is also a hard copy version available in the Research Room.¹⁵

ADM 344, held at The National Archives, currently only contains part of the series of views accumulated by the Hydrographic Department. The remaining 25,000 documents are held in the UKHO Archive and are being reviewed, packaged and catalogued. The prefix 'ADM 344' is being used for this cataloguing project.

The following arrangement is the result of either artificial gatherings of records, or due to a production process. To make this arrangement clearer the terms 'Series One', 'Series Two', etc have been created. These are artificial terms, but their addition clearly shows the arrangement of the records; this arrangement is described in detail in the guide.¹⁶

SDRA, 2005-present [2019]

From 2005 the majority of views received in the office were included in the Source Data Receipt system, unless they have copyright limitations. Access to this series can only be made through a member of staff.

Admiralty Library, c. 1600-1900

Amongst the many atlases and flat documents held by the Admiralty Library are numerous documents containing views. For more information contact the Admiralty Library.

ADM 344/	Series One, 1743-1972
ADM 344/	Series Two, 1800-1943
ADM 344/	Series Three, c. 1830-2000
ADM 344/	Series Four, c. 1900-1980
ADM 344/	Series Five, 1931-1994
ADM 344/	Series Six, 1931-1994
ADM 344/	Series Seven, c. 1790-1900

Related records:

AAC Additional Admiralty charts (not **OCB** 'old copy bundles')

¹⁵ Webb, 'Guide to the Views in the United Kingdom Hydrographic Office Archive Collection'.

¹⁶ Webb, 'Guide to the Views in the United Kingdom Hydrographic Office Archive Collection', p.8.

- COD 7** Registers of view albums
- CRB** Chart Branch records
- IRB** Individual Remark Books
- MP** Miscellaneous Papers (Remark Books)
- NPR** Nautical publications records
- OCB** Record copies of Admiralty charts ('old copy bundles')
- OD** Original Documents
- OPC** Other printed maps and charts (non-Admiralty)
- SAR** Sailing Directions records
Hydrographic surveys
- REG** **Registered files, 1866-2009**

APR **Admiralty Raster Chart Service (ARCS) production records**

The Admiralty Raster Chart Service (ARCS) is an electronic raster chart service provided by the UKHO. Charts are exact digital copies of British Admiralty paper charts used for marine navigation, produced in a raster format. The service was established c. 1995.

APR 1 Raster Base maintenance update record samples, 1993-1994

ART **Artifacts**

A collection of objects related to the history of the Hydrographic Office, or to the field of hydrography and related disciplines more generally. The largest series within this collection is a collection of drawing instruments. H.M.N.A.O. hold a small number of artifacts dating from before 2008 when they moved from Didcot to Taunton to join with the U.K.H.O. These have been given the code ART.

ART 1-95 Various artifacts, 19th century to present [2019]

Related records:

NAO Her Majesty's Nautical Almanac Office

OCG Official corporate gifts

AWN **Allied Worldwide Navigation Information System (AWNIS) records**

AWNIS collates, coordinates and communicates navigational safety and security information to merchant shipping and military authorities within an operational area. As this information relates to the general maritime community, it works almost exclusively through the existing Worldwide Navigational Warning Service (WWNWS) architecture. Responsible for both classified and unclassified information, AWNIS delivers assurance to military commanders and merchant mariners against the additional risks to safety and security of Navigation that are associated with maritime operations.¹⁷

AWN 1 Working papers of a desk officer, 1946-1960s

BDR **Bathymetric data records**

Records created and processed by the Bathymetric Data Centre (BDC). BDC was renamed in 2016 to the Scientific Analysis Group, Terrestrial Team. Data from 2012-2017 was recorded electronically. Earlier records are found in other series, particularly in the **OCB** series, where the results of observations can be found incorporated into charts published by the UKHO.

BDR 1 Bathymetric validation and appraisal checklists, 2001-2011

¹⁷ Taken from <https://mc.nato.int/nsc/page14865015.aspx>, accessed 21 May 2019

CAB **Cables records**

The first submarine cable was laid in 1850 from Dover to Calais. Plans to expand this activity and create a much larger network required information on oceanic depths. The initial focus was on the Atlantic and, owing to the American Civil War, the organisation of the transatlantic cable project fell more to Britain and the Hydrographic Department than to its American counterpart.¹⁸ The telegraph companies supplied the Department with copies of all the large scale surveys of the original lays and subsequent splices and small scale Secret Telegraph Charts were issued to the Fleet and embassies, showing the position of all the cables.¹⁹ There was ongoing concern about the damage done to submarine cables by trawlers. Despite this, in 1911, the Admiralty maintained their decision not to show cables on Admiralty charts.²⁰

In 1968, after the relocation of staff from the Cricklewood site to Taunton, a specific branch was created with a responsibility for Cables.²¹

- CAB 1** Blueprints, 1934-1972
- CAB 2** Working papers, c. 1970s-c. 2005
- CAB 3** Cable beacons, c. 1960s-c. 1970s
- CAB 4** Fleet charts, c. 1960s
- CAB 5** Information relating to telegraph cables ledgers, 1908-1984
- CAB 6** Fleet telegraph chart folios, c. 1930s-c. 1960s

Related records:

- LOD** Lists of oceanic depths

¹⁸ A. Day, *The Admiralty Hydrographic Service* (London, 1967), pp.70 and 83.
¹⁹ L.N. Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty 1795 to 1975*, (unpublished), p.37.
²⁰ Day, *The Admiralty Hydrographic Service*, p.265.
²¹ R.O. Morris, *Charts and Surveys in Peace and War: The History of the RN Hydrographic Service 1919-1970* (London, 1995), p.213.

CBR Chart Branch records

The activity undertaken by Chart Branch can be traced back to the establishment of the Department in 1795 when the first Hydrographer, Dalrymple, was given the budget to employ one permanent draughtsman. More draughtsmen were employed on both a permanent and temporary basis from 1808 to 1829 to deal with an increasing backlog of work.²² This number increased to four in 1831 and six by 1855.²³ The title Chart Branch first appeared in the Navy Estimates for 1854-1855. It embraced naval assistants, draughtsmen, packers and porters. The first Superintendent of Charts was appointed in 1862. In 1879 that title became Officer in Charge, Chart Branch, but in 1908 the title of Superintendent of Charts was reassumed.²⁴

Chart Branch was responsible for the compilation of charts, *i.e.* the bringing together of sources and drawing up of a 'compilation' that was then sent to an engraver for engraving onto copper. Once it had been decided to produce a chart of a particular area, on a particular scale, all data held on that area in the archives would be gathered by the cartographer or draughtsman. These sources would be examined, differences reconciled, and from them a 'compilation drawing' would be made. The work would be checked before being approved for production.²⁵ Initially the work of the Branch also involved the engraving and printing of charts, but from *c.* 1830 onwards this was done by external private firms.²⁶ See **PRR** Production records for further information on the printing of charts.

In 1909 the Treasury approved an increase from 14 to 19 draughtsmen. At this time they also agreed to the new title of cartographer as more descriptive of the duties of the graduate chart compilers than simply draughtsmen.²⁷ A further expansion in personnel occurred during the First World War when the Hydrographer, J.F. Parry, brought in a number of temporary draughtswomen. After the war, in 1924, Chart Branch moved out of the Admiralty building into Cornwall House, at the southern end of Waterloo Bridge.²⁸

In the 1930s Chart Branch was staffed by a Superintendent of Charts, with a Superintending Cartographer, 26 cartographers, 38 draughtsmen and three paperkeepers. They were organised into four geographical sections, dividing the world up between them. Each section compiled new charts and kept up to date the existing charts covering its own area. A fifth section compiled and kept up to date the Admiralty List of Wireless Signals and the Telegraph Charts. A sixth section was formed in

²² Webb, A.J. *'The Expansion of British Naval Hydrographic Administration 1808-1829'* (PhD thesis, Exeter, 2010)

²³ Morris, *Charts and Surveys in Peace and War*, pp.6 and 11.

²⁴ Day, *The Admiralty Hydrographic Service*, pp.48 and 345.

²⁵ Morris, *Charts and Surveys in Peace and War*, pp.33-34.

²⁶ Admiralty Technical History Section, *The Technical History and Index: A Serial History of Technical Problems Dealt with by Admiralty Departments. Vol.3, Part 22. The War Work of the Hydrographic Department (1914-18)* (1919), p.6.

²⁷ Morris, *Charts and Surveys in Peace and War*, p.18.

²⁸ Morris, *Charts and Surveys in Peace and War*, pp.20 and 34.

1937 to produce air charts.²⁹ For details of the areas of responsibility around this time see p.79 of R.O. Morris, *Charts and Surveys in Peace and War. The History of the Hydrographic Service 1919-1970* (London, 1995).

On the outbreak of World War II in 1939, Chart Branch moved to the Royal School in Bath. In 1941 The Royal School was becoming overcrowded and the Department moved again, to Ensleigh on Landsdown Hill. At the end of the war in 1945 Chart Branch staff were moved to Cricklewood. The number of staff increased during this period from 45 cartographers and 122 draughtsmen in 1944 to 54 cartographers and 127 draughtsmen in 1950.³⁰

In 1968, Chart Branch and staff from Cricklewood relocated to Creechbarrow House, Taunton. Before the move the number of sections in Chart Branch had grown to fourteen. In the new location it was organised into eight Nautical Chart Branches each responsible for a geographical area and seven Marine Science Branches with responsibilities ranging from Geodesy, the Archives and Photogrammetry to Geophysical and Submarine Charting and Professional Division training. During this time computers began to be introduced for chart compilation purposes.³¹

A small office was established as a separate branch based in Whitehall that dealt with incoming printed information, as opposed to the assessment of charts or surveys. It remained in Whitehall during the Second World War. As well as the drawing for all Notices to Mariners work, the Branch produced special charts such as the top secret charts of minefields and a series of wreck charts (see **OCB** series). The Branch remained in Whitehall in the immediate post-war years.³² Cartographic staff supported the work in Whitehall until perhaps just before 1951.³³

The printed charts from work undertaken in Chart Branch are mainly held in the **OCB** collection, for which an incomplete spreadsheet of holdings is available (see **OCB** Record copies of Admiralty charts ('old copy bundles') for more information).

CBR 1	Compilation job folders, c. 1950-2015
CBR 2	Data examination records, c. 1990-2015. Includes survey and foreign government chart examination forms
CBR 3	Source data records of holdings, 2003-2004
CBR 4	Charting standards and orders, c. 1920-2015
CBR 5	Black and white bases of published Admiralty Territorial Waters charts, originating from Chart Branch Whitehall, MS2 and TWO, c. 1960-c. 1980.

²⁹ Morris, *Charts and Surveys in Peace and War*, pp.78 and 80.

³⁰ Morris, *Charts and Surveys in Peace and War*, pp.108-109, 153 and 156.

³¹ Morris, *Charts and Surveys in Peace and War*, pp.213 and 217.

³² Morris, *Charts and Surveys in Peace and War*, pp.113 and 153.

³³ Morris, *Charts and Surveys in Peace and War*, pp.154.

MS2 undertook Defence related work, such as Air radar charts and overlays, and bespoke products including the production of Royal Tour charts for coffee table distribution and as a giveaway to visitors to the Royal Lounge on HMY *Britannia*. Thematic chart compilation bundles, 2000s-2010s

CBR 6	HM Dockyard plans, 1937-1958
CBR 7	Polar exploration chart compiled by Pascoe, 1933
CBR 8	Record copies of obsolete Form H of measured distances, 1948-1964
CBR 9	Fleet source overlays, 2007
CBR 10	Guide to Air Charts, c. 1940s
CBR 11	Association of Cartographers minutes, 1945-1960
CBR 12	Association of CHOs minutes, 1951-1984
CBR 13	Lectures and instructions, c. 1933-1997
CBR 14	Working records, c. 1980s-c1990s
CBR 15	Chart Standardisation Committee (CSC) papers, 1980s-2000
CBR 16	Chart Branch (Whitehall) drawings Curators' copy, pre-1980
CBR 17	Chart Branch – Branch Standards, no. 4-F6498, c. 1980s-2012
CBR 18	Small scale chart compilation bundles and related material, 1970s-1990s
CBR 18/1	Small scale chart compilation bundle number 4010, NC 1986, NC 1986, NE 1992, c. 1986-1992
CBR 18/2	Small scale chart compilation bundle number 4011, NC 1985, NC 1992, c. 1985-1992
CBR 18/3	Small scale chart compilation bundle number 4012, NC 1985, NE 1992, c. 1985-1992
CBR 18/4	Small scale chart compilation bundle number 4013, NC 1985, NE 1992, c. 1985-1992
CBR 18/5	Small scale chart compilation bundle number 4014, NC 1975, NE 1984, NE 1992 c. 1975-1992
CBR 18/6	Small scale chart compilation bundle number 4020, NC 1982, NE 1991, c. 1982-1991
CBR 18/7	Small scale chart compilation bundle number 4021, NC 1975, NE 1984, NE 1991, c. 1975-1991

CBR 18/8	Small scale chart compilation bundle number 4022, NC 1985, NE 1991, c. 1985-1991
CBR 18/9	Small scale chart compilation bundle number 4024, NC 1987, c. 1987
CBR 18/10	Small scale chart compilation bundle number 4050, NC 1985, NE 1992, c. 1985-1992
CBR 18/11	Small scale chart compilation bundle number 4051, NC 1985, NE 1992, c. 1985-1992
CBR 18/12	Small scale chart compilation bundle number 4052, NC 1990, NE 1992, c. 1990-1992
CBR 18/13	Small scale chart compilation bundle number 4053, NC 1987, NE 1992, c. 1987-1992
CBR 18/14	Small scale chart compilation bundle number 4060, NC 1989, NE 1992, c. 1989-1992
CBR 18/15	Small scale chart compilation bundle number 4061, NC 1998, c. 1998
CBR 18/16	Small scale chart compilation bundle number 4062, NC 1985, NE 1992, c. 1985-1992
CBR 18/17	Small scale chart compilation bundle number 4063, NC 1987, c. 1987
CBR 18/18	Small scale chart compilation bundle number 4064, NC 1986, c. 1986
CBR 18/19	Small scale chart compilation bundle number 4065, NC 1986, c. 1986
CBR 18/20	Small scale chart compilation bundle number 4070, NC 1975, NE 1978, NE 1985, NE 1992, c. 1975-1992
CBR 18/21	Small scale chart compilation bundle number 4071, NC 1977, NE 1978, NE 1985, NE 1992, c. 1977-1992
CBR 18/22	Small scale chart compilation bundle number 4072, NC 1979, NE 1985, NE 1992, c. 1979-1992
CBR 18/23	Small scale chart compilation bundle number 4073, NC 1979, NC 1985, NE 1992, c. 1979-1992
CBR 18/24	Small scale chart compilation bundle number 4074, NC 1983, c. 1983
CBR 18/25	Small scale chart compilation bundle number 4075, NC 1984, c. 1984
CBR 18/26	Small scale chart compilation bundle number 4100, NC 1979, NE 1992, c. 1979-1992
CBR 18/27	Small scale chart compilation bundle number 4101, NC 1979, NE 1989, NE 1992, c. 1979-1992

- CBR 18/28** Small scale chart compilation bundle number 4102, NC 1972, NE 1976, NE 1982, NE 1987, NE 1991, *c.* 1972-1991
- CBR 18/29** Small scale chart compilation bundle number 4103, NC 1979, NE 1988, NE 1992, *c.* 1979-1992
- CBR 18/30** Small scale chart compilation bundle number 4104, NC 1978, NE 1980, NE 1988, NE 1992, *c.* 1978-1988
- CBR 18/31** Small scale chart compilation bundle number 4112, NC 1976, NE 1986, NE 1991, *c.* 1976-1986
- CBR 18/32** Small scale chart compilation bundle number 4113, NC 1976, NE 1986, NE 1992, *c.* 1976-1992
- CBR 18/33** Small scale chart compilation bundle number 4114, NC 1977, NE 1982, NE 1988, NE 1991, *c.* 1977-1991
- CBR 18/34** Small scale chart compilation bundle number 4115, NC 1977, NE 1988, NE 1991, *c.* 1977-1991
- CBR 18/35** Small scale chart compilation bundle number 4200, NC 1980, NE 1984, NE 1991, *c.* 1980-1991
- CBR 18/36** Small scale chart compilation bundle number 4201, NC 1976, NE 1985, NE 1991, *c.* 1976-1991
- CBR 18/37** Small scale chart compilation bundle number 4202, NC 1980, NE 1985, NE 1991, *c.* 1980-1991
- CBR 18/38** Small scale chart compilation bundle number 4203, NC 1972, NE 1976, NE 1982, NE 1986, NE 1991, *c.* 1972-1991
- CBR 18/39** Small scale chart compilation bundle number 4204, NC 1975, NE 1978, NE 1984, NE 1991, *c.* 1975-1991
- CBR 18/40** Small scale chart compilation bundle number 4205, NE 1982, NE 1991, *c.* 1982-1991
- CBR 18/41** Small scale chart compilation bundle number 4206, NE 1983, NE 1991, *c.* 1983-1991
- CBR 18/42** Small scale chart compilation bundle number 4207, NC 1980, NE 1982, NE 1991, *c.* 1980-1991
- CBR 18/43** Small scale chart compilation bundle number 4208, NC 1978, NE 1982, *c.* 1978-1982
- CBR 18/44** Small scale chart compilation bundle number 4209, NC 1974, NE 1977, NE 1983, NE 1986, NE 1991, *c.* 1974-1991

CBR 18/45	Small scale chart compilation bundle number 4212, NC 1985, c. 1985
CBR 18/46	Small scale chart compilation bundle number 4213, NC 1985, c. 1985
CBR 18/47	Small scale chart compilation bundle number 4214, NC 1986, c. 1986
CBR 18/48	Small scale chart compilation bundle number 4215, NC 1979, NE 1986, NE 1991, c. 1979-1991
CBR 18/49	Small scale chart compilation bundle number 4216, NC 1979, NE 1986, NE 1991, c. 1979-1991
CBR 18/50	Small scale chart compilation bundle number 4300, NC 1988, NE 1991, c. 1988-1991
CBR 18/51	Small scale chart compilation bundle number 4301, NC 1976, NE 1983, NE 1991, c. 1986-1983
CBR 18/52	Small scale chart compilation bundle number 4302, NC 1985, NE 1991, c. 1985-1991
CBR 18/53	Small scale chart compilation bundle number 4400, NC 1985, NE 1992, c. 1985-1992
CBR 18/54	Small scale chart compilation bundle number 4401, NC 1982, NE 1992, c. 1982-1992
CBR 18/55	Small scale chart compilation bundle number 4402, NC 1982, NE 1992, c. 1982-1992
CBR 18/56	Small scale chart compilation bundle number 4403, NC 1975, NE 1978, NE 1983, NE 1992, c. 1975-1983
CBR 18/57	Small scale chart compilation bundle number 4404, NC 1974, NE 1978, NE 1988, NE 1992, NE 1998, c. 1974-1998
CBR 18/58	Small scale chart compilation bundle number 4405, NC 1977, NE 1991, c. 1977-1991
CBR 18/59	Small scale chart compilation bundle number 4406, NC 1977, NE 1989, NE 1992, c. 1977-1992
CBR 18/60	Small scale chart compilation bundle number 4407, NE 1982, NC 1979, NE 1992, c. 1982-1992
CBR 18/61	Small scale chart compilation bundle number 4506, NC 1983, NE 1990, NE 1992, c. 1983-1992
CBR 18/62	Small scale chart compilation bundle number 4507, NC 1988, NE 1992, c. 1988-1992

CBR 18/63	Small scale chart compilation bundle number 4509, NC 1980, NE 1988, NE 1992, LNE 19509 c. 2005, c. 1980-2005
CBR 18/64	Small scale chart compilation bundle number 4510, NC 1980, NE 1988, NE 1992, c. 1980-1992
CBR 18/65	Small scale chart compilation bundle number 4511, NC 1980, NE 1988, NE 1992, c. 1980-1992
CBR 18/66	Small scale chart compilation bundle number 4512, NC 1982, NE 1988, NE 1992, NE 1993, c. 1982-1993
CBR 18/67	Small scale chart compilation bundle number 4521, NC 1982, NC 1983, NE 1991, c. 1982-1991
CBR 18/68	Small scale chart compilation bundle number 4600, NC 1975, NE 1985, NE 1992, c. 1975-1992
CBR 18/69	Small scale chart compilation bundle number 4601, NC 1974, NE 1977, NE 1991, c. 1974-1991
CBR 18/70	Small scale chart compilation bundle number 4602, NC 1975, NE 1985, NE 1992, c. 1975-1992
CBR 18/71	Small scale chart compilation bundle number 4603, NC 1977, NE 1991, NE 1985, c. 1977-1985
CBR 18/72	Small scale chart compilation bundle number 4604, NC 1977, NE 1989, NE 1992, c. 1977-1992
CBR 18/73	Small scale chart compilation bundle number 4605, NC 1980, NE 1986, NE 1992, c. 1980-1986
CBR 18/74	Small scale chart compilation bundle number 4606, NC 1980, NE 1992, c. 1980-1992
CBR 18/75	Small scale chart compilation bundle number 4607, NC 1976, NE 1992, c. 1976-1992
CBR 18/76	Small scale chart compilation bundle number 4608, NC 1981, NE 1984, NE 1992, c. 1981-1992
CBR 18/77	Small scale chart compilation bundle number 4609, NC 1981, NE 1985, NE 1992, c. 1981-1992
CBR 18/78	Small scale chart compilation bundle number 4610, NC 1979, NE 1983, NE 1992, c. 1979-1992
CBR 18/79	Small scale chart compilation bundle number 4611, NC 1979, NE 1982, NE 1992, c. 1979-1992

CBR 18/80	Small scale chart compilation bundle number 4612, NC 1979, NE 1983, NE 1992, c. 1979-1992
CBR 18/81	Small scale chart compilation bundle number 4613, NC 1979, NE 1982, NE 1992, c. 1979-1992
CBR 18/82	Small scale chart compilation bundle number 4614, NC 1978, NC 1979, NE 1982, NE 1992, c. 1978-1992
CBR 18/83	Small scale chart compilation bundle number 4615, NE 1982, NE 1992, c. 1982-1992
CBR 18/84	Small scale chart compilation bundle number 4616, NC 1979, NE 1983, NE 1992, c. 1979-1983
CBR 18/85	Small scale chart compilation bundle number 4617, NC 1980, NE 1992, c. 1980-1992
CBR 18/86	Small scale chart compilation bundle number 4618, NC 1984, NE 1992, c. 1984-1992
CBR 18/87	Small scale chart compilation bundle number 4619, NC 1985, NE 1992, c. 1985-1992
CBR 18/88	Small scale chart compilation bundle number 4700, NC 1975, NE 1978, NE 1986, NE 1992, c. 1975-1986
CBR 18/89	Small scale chart compilation bundle number 4701, NC 1972, NE 1977, NE 1982, NE 1986, NE 1991, c. 1977-1991
CBR 18/90	Small scale chart compilation bundle number 4702, NC 1974, NE 1977, NE 1982, c. 1974-1982
CBR 18/91	Small scale chart compilation bundle number 4703, NC 1974, NE 1977, NE 1982, NE 1985, NE 1991, c. 1974-1991
CBR 18/92	Small scale chart compilation bundle number 4704, NC 1973, NE 1976, NE 1982, NE 1987, NE 1991, c. 1973-1991
CBR 18/93	Small scale chart compilation bundle number 4705, NC 1977, NE 1980, NE 1991, c. 1977-1991
CBR 18/94	Small scale chart compilation bundle number 4706, NC 1977, NE 1980, NE 1991, c. 1977-1991
CBR 18/95	Small scale chart compilation bundle number 4707, NC 1974, NE 1977, NE 1982, NE 1985, c. 1974-1985
CBR 18/96	Small scale chart compilation bundle number 4708, NC 1977, NE 1984, NE 1991, c. 1977-1991

CBR 18/97	Small scale chart compilation bundle number 4709, NC 1977, NE 1985, NE 1992, c. 1977-1992
CBR 18/98	Small scale chart compilation bundle number 4710, NC 1978, NE 1982, NE 1991, c. 1978-1991
CBR 18/99	Small scale chart compilation bundle number 4711, NC 1978, NE 1982, NE 1991, c. 1978-1991
CBR 18/100	Small scale chart compilation bundle number 4712, NC 1979, NE 1982, NE 1992, c. 1979-1992
CBR 18/101	Small scale chart compilation bundle number 4713, NC 1978, NE 1982, NE 1992, c. 1978-1992
CBR 18/102	Small scale chart compilation bundle number 4714, NC 1978, NE 1982, NE 1991, c. 1978-1991
CBR 18/103	Small scale chart compilation bundle number 4801, NC 1981, NE 1992, c. 1981-1992
CBR 18/104	Small scale chart compilation bundle number 4802, NC 1983, NE 1992, c. 1983-1992
CBR 18/105	Small scale chart compilation bundle number 4805, NE 1982, NE 1992, c. 1982-1992
CBR 18/106	Small scale chart compilation bundle number 4806, NC 1982, NE 1992, c. 1982-1992
CBR 18/107	Small scale chart compilation bundle number 4807, NC 1982, NE 1992, c. 1982-1992
CBR 18/108	Small scale chart compilation bundle number 4808, NC 1985, NE 1992, c. 1985-1992
CBR 18/109	Small scale chart compilation bundle number 4809, NC 1981, NE 1992, c. 1981-1992
CBR 18/110	Small scale chart compilation bundle number 4810, NC 1980, NE 1983, NE 1992, c. 1980-1992
CBR 18/111	Small scale chart compilation bundle number 4813, NC 1980, NE 1983, NE 1992, c. 1980-1992
CBR 18/112	Small scale chart compilation bundle number 4814, NC 1980, NE 1983, NE 1992, c. 1980-1992

CBR 19	BA Adopted International Chart and BA Produced International Charts, 1: 10M
CBR 19/1	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4010, c. 1976-1983
CBR 19/2	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4011, c. 1985
CBR 19/3	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4012, c. 1983
CBR 19/4	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4013, c. 1978-1984
CBR 19/5	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4014, c. 1982
CBR 19/6	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4020, c. 1977-1982
CBR 19/7	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4021, c. 1983
CBR 19/8	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4022, c. 1980-1982
CBR 19/9	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4050, c. 1980-1985
CBR 19/10	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4051, c. 1983-1985
CBR 19/11	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4052, c. 1981-1989
CBR 19/12	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4053, c. 1981-1987
CBR 19/13	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4060, c. 1987-1988
CBR 19/14	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4061, c. 1978-1988
CBR 19/15	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4062, c. 1979-1985
CBR 19/16	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4070, c. 1972-1980

CBR 19/17	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4071, c. 1975-1980
CBR 19/18	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4072, c. 1979-1980
CBR 19/19	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4073, c. 1978-1980
CBR 19/20	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4100, c. 1976-1990
CBR 19/21	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4101, c. 1976-1989
CBR 19/22	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4102, c. 1981
CBR 19/23	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4103, c. 1976-1986
CBR 19/24	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4104, c. 1976-1986
CBR 19/25	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4112, c. 1973-1985
CBR 19/26	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4113, c. 1985
CBR 19/27	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4200, c. 1978
CBR 19/28	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4201, c. 1974-1984
CBR 19/29	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4202, c. 1976-1985
CBR 19/30	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4203, c. 1985
CBR 19/31	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4204, c. 1974-1981
CBR 19/32	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4209, c. 1979-1985
CBR 19/33	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4215, c. 1977

- CBR 19/34** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4216, c. 1977
- CBR 19/35** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4300, c. 1985
- CBR 19/36** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4301, c. 1972-1980
- CBR 19/37** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4402, c. 1981
- CBR 19/38** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4400, c. 1978
- CBR 19/39** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4401, c. 1976-1987
- CBR 19/40** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4402, c. 1975
- CBR 19/41** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4403, c. 1973-1988
- CBR 19/42** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4404, c. 1973
- CBR 19/43** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4405, c. 1975-1987
- CBR 19/44** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4406, c. 1975-1987
- CBR 19/45** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4506, c. 1981-1988
- CBR 19/46** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4507, c. 1981
- CBR 19/47** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4508, c. 1977-1980
- CBR 19/48** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4509, c. 1975-1983
- CBR 19/49** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4510, c. 1975-1979
- CBR 19/50** BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4511, c. 1975-1983

CBR 19/51	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4512, c. 1979-1983
CBR 19/52	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4600, c. 1974-1983
CBR 19/53	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4601, c. 1973-1982
CBR 19/54	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4602, c. 1974-1982
CBR 19/55	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4603, c. 1974-1984
CBR 19/56	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4604, c. 1974-1980
CBR 19/57	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4605, c. 1983
CBR 19/58	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4606, c. 1976
CBR 19/59	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4607, c. 1974-1988
CBR 19/60	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4608, c. 1977-1984
CBR 19/61	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4609, c. 1977
CBR 19/62	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4617, c. 1979
CBR 19/63	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4700, c. 1974-1976
CBR 19/64	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4701, c. 1985
CBR 19/65	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4702, c. 1985
CBR 19/66	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4703, c. 1976-1987
CBR 19/67	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4704, c. 1975-1981

CBR 19/68	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4705, c. 1974-1980
CBR 19/69	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4706, c. 1974
CBR 19/70	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4707, c. 1981-1986
CBR 19/71	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4708, c. 1974-1983
CBR 19/72	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4709, c. 1974-1984
CBR 19/73	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4801, c. 1975
CBR 19/74	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4802, c. 1979
CBR 19/75	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4809, c. 1975
CBR 19/76	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4810, c. 1977-1982
CBR 19/77	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4811, c. 1980
CBR 19/78	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4813, c. 1976-1982
CBR 19/79	BA Adopted International Chart and BA Produced International Charts, 1: 10 M, 4814, c. 1976-1983
CBR 20	BA Mid Ocean Charts 1:35 M
CBR 20/1	BA Mid Ocean Charts 1:35 M, 4114, c. 1988
CBR 20/2	BA Mid Ocean Charts 1:35 M, 4115, c. 1987
CBR 20/3	BA Mid Ocean Charts 1:35 M, 4205, c. 1982
CBR 20/4	BA Mid Ocean Charts 1:35 M, 4206, c. 1982
CBR 20/5	BA Mid Ocean Charts 1:35 M, 4207, c. 1977
CBR 20/6	BA Mid Ocean Charts 1:35 M, 4208, c. 1977
CBR 20/7	BA Mid Ocean Charts 1:35 M, 4407, c. 1980

CBR 20/8	BA Mid Ocean Charts 1:35 M, 4521, c. 1982
CBR 20/9	BA Mid Ocean Charts 1:35 M, 4522, c. 1983
CBR 21	Mid Ocean Charts 1:35 M
CBR 21/1	Mid Ocean Charts 1:35 M, 4610, c. 1980
CBR 21/2	Mid Ocean Charts 1:35 M, 4611, c. 1980
CBR 21/3	Mid Ocean Charts 1:35 M, 4612, c. 1980
CBR 21/4	Mid Ocean Charts 1:35 M, 4613, c. 1980
CBR 21/5	Mid Ocean Charts 1:35 M, 4614, c. 1980
CBR 21/6	Mid Ocean Charts 1:35 M, 4615, c. 1980
CBR 21/7	Mid Ocean Charts 1:35 M, 4616, c. 1980
CBR 21/8	Mid Ocean Charts 1:35 M, 4618, c. 1980
CBR 21/9	Mid Ocean Charts 1:35 M, 4619, c. 1980
CBR 21/10	Mid Ocean Charts 1:35 M, 4710, c. 1980
CBR 21/11	Mid Ocean Charts 1:35 M, 4711, c. 1980
CBR 21/12	Mid Ocean Charts 1:35 M, 4712, c. 1980
CBR 21/13	Mid Ocean Charts 1:35 M, 4713, c. 1980
CBR 21/14	Mid Ocean Charts 1:35 M, 4714, c. 1980
CBR 21/15	Mid Ocean Charts 1:35 M, 4805, c. 1980
CBR 21/16	Mid Ocean Charts 1:35 M, 4806, c. 1980
CBR 21/17	Mid Ocean Charts 1:35 M, 4807, c. 1980
CBR 22	Southern Ocean charts 1:10 M
CBR 22/1	Southern Ocean charts 1:10 M, 4024, c. 1986
CBR 22/2	Southern Ocean charts 1:10 M, 4063, c. 1986
CBR 22/3	Southern Ocean charts 1:10 M, 4064, c. 1986
CBR 22/4	Southern Ocean charts 1:10 M, 4065, c. 1984
CBR 22/5	Southern Ocean charts 1:10 M, 4074, c. 1983
CBR 22/6	Southern Ocean charts 1:10 M, 4075, c. 1985

- CBR 22/7** Southern Ocean charts 1:10 M, 4212, c. 1985
- CBR 22/8** Southern Ocean charts 1:10 M, 4213, c. 1985
- CBR 22/9** Southern Ocean charts 1:10 M, 4214, c. 1985
- CBR 23** Old Fathom small scale charts
 - CBR 23/1** Old Fathom small scale charts MAG curves job folders 367-788, 1975
 - CBR 23/2** Old Fathom small scale charts MAG curves job folders 449-789, 1980
 - CBR 23/3** Old Fathom small scale charts MAG curves job folders 788-4013, 1970
 - CBR 23/4** Old Fathom small scale charts MAG curves job folders 789-2422, 1975
 - CBR 23/5** Old Fathom small scale charts MAG curves job folders 1263-2444, 1980
 - CBR 23/6** Old Fathom small scale charts MAG curves job folders 2444-4023, 1975
 - CBR 23/7** Old Fathom small scale charts MAG curves job folders 2459-4009, 1980
- CBR 24** '7.5 million charts' job folder, including 4007, 4008, 4009, 4010, 4011, 4012, 4013, 4014, 4016, 4019A, 4019B, 1970s-1980s
- CBR 25** Miscellaneous charts job folder, including 2177, 2260, 4006, 4023, c. 1970s-1980s
- CBR 26** SP 20 was a former IHB publication listing doubtful hydrographic data, c. 1980s
 - CBR 26/1** HO interleaved SP 20/01 North Atlantic Ocean, c. 1980s
 - CBR 26/2** HO interleaved SP 20/02 South Atlantic Ocean, c. 1980s
 - CBR 26/3** HO interleaved SP 20/03 Indian Ocean, c. 1980s
 - CBR 26/4** HO interleaved SP 20/04 North Pacific Ocean, c. 1980s
 - CBR 26/5** HO interleaved SP 20/05 South Pacific Ocean, c. 1980s
 - CBR 26/6** SP 20/06 North Atlantic Ocean volume 1 of 6 000-043, c. 1980s
 - CBR 26/7** SP 20/07 North Atlantic Ocean volume 2 of 6 044-045, c. 1980s
 - CBR 26/8** SP 20/08 North Atlantic Ocean volume 3 of 6 046-081, c. 1980s
 - CBR 26/9** SP 20/09 North Atlantic Ocean volume 4 of 6 082-142, c. 1980s
 - CBR 26/10** SP 20/10 North Atlantic Ocean volume 5 of 6 143-150, c. 1980s
 - CBR 26/11** SP 20/11 North Atlantic Ocean volume 6 of 6 151-934, c. 1980s
 - CBR 26/12** SP 20/12 South Atlantic Ocean volume 1 of 3 300-335, c. 1980s
 - CBR 26/13** SP 20/13 South Atlantic Ocean volume 2 of 3 336-407, c. 1980s

- CBR 26/14** SP 20/14 South Atlantic Ocean volume 3 of 3 408-586, c. 1980s
- CBR 26/15** SP 20/15 Indian Ocean volume 1 of 5 026-068, c. 1980s
- CBR 26/16** SP 20/16 Indian Ocean volume 2 of 5 069-328, c. 1980s
- CBR 26/17** SP 20/17 Indian Ocean volume 3 of 5 329-365, c. 1980s
- CBR 26/18** SP 20/18 Indian Ocean volume 4 of 5 366-402, c. 1980s
- CBR 26/19** SP 20/19 Indian Ocean volume 5 of 5 403-549, c. 1980s
- CBR 26/20** SP 20/20 North Pacific Ocean volume 1 of 6 008-024, c. 1980s
- CBR 26/21** SP 20/21 North Pacific Ocean volume 2 of 6 025-026, c. 1980s
- CBR 26/22** SP 20/22 North Pacific Ocean volume 3 of 6 027-061, c. 1980s
- CBR 26/23** SP 20/23 North Pacific Ocean volume 4 of 6 062-094, c. 1980s
- CBR 26/24** SP 20/24 North Pacific Ocean volume 5 of 6 095-130, c. 1980s
- CBR 26/25** SP 20/25 North Pacific Ocean volume 6 of 6 131-238, c. 1980s
- CBR 26/26** SP 20/26 South Pacific Ocean volume 1 of 7 307-320, c. 1980s
- CBR 26/27** SP 20/27 South Pacific Ocean volume 2 of 7 321-322, c. 1980s
- CBR 26/28** SP 20/28 South Pacific Ocean volume 3 of 7 323-353, c. 1980s
- CBR 26/29** SP 20/29 South Pacific Ocean volume 4 of 7 354-357, c. 1980s
- CBR 26/30** SP 20/30 South Pacific Ocean volume 5 of 7 358-389, c. 1980s
- CBR 26/31** SP 20/31 South Pacific Ocean volume 6 of 7 390-422, c. 1980s
- CBR 26/32** SP 20/32 South Pacific Ocean volume 7 of 7 423-571, c. 1980s
- CBR 26/33** SP 20/33 Photocopies of historical IHB doubtful hydrographic data publications North Atlantic Ocean, c. 1980s
- CBR 26/34** SP 20/34 Photocopies of historical IHB doubtful hydrographic data publications South Atlantic Ocean, c. 1980s
- CBR 26/35** SP 20/35 Photocopies of historical IHB doubtful hydrographic data publications Indian Ocean, c. 1980s
- CBR 26/36** SP 20/36 Photocopies of historical IHB doubtful hydrographic data publications North Pacific Ocean, c. 1980s
- CBR 26/37** SP 20/37 Photocopies of historical IHB doubtful hydrographic data publications South Pacific Ocean, c. 1980s

- CBR 26/38** SP 20/38 Original SP 20 publications North and South Atlantic Oceans, c. 1980s
- CBR 26/39** SP 20/39 Original SP 20 publications North and South Pacific Oceans, c. 1980s
- CBR 26/40** SP 20/40 Original SP 20 publications Indian Ocean general list of supplements, c. 1980s
- CBR 26/41** SP 20/41 South China Seas new publications, 1960s
- CBR 26/42** SP 20/42 Small Scale dangers, undated
- CBR 26/43** SP 20/43 Dangers list NC5 1950s-1960s
- CBR 27** Foreign Government chart branch records, 1970s-1990s
- CBR 27/1** FG 1: Argentina, Australia, Brazil, Canada, Chile, Cuba, Denmark, Ecuador, Fiji, France, 1970s-1990s
- CBR 27/2** FG 2: Germany, Iceland, India, Indonesia, Italy, Japan, Mexico, Netherlands, New Zealand, Norway, Portugal, Russia, South Africa, Spain, Taiwan, 1970s-1990s
- CBR 27/3** FG 3: United States of America, 1970s-1990s
- CBR 27/4** FG 4: Volume entitled original documents not submitted to Hydrographer to be used for all countries, 1950s-1990s
- CBR 28** Index to international bathymetric charts produced by regional mapping projects, c.2005
- CBR 29** Compilation or job chart bundles, c. 1950s-2000s
- Arranged by chart number and contains multiple graphics. These have not been weeded.
- See also: corresponding quality control file in HA 405 series of files.
- CBR 29/1** Compilation chart job bundle number 2
- CBR 29/2** Compilation chart job bundle number 7
- CBR 29/3** Compilation chart job bundle number 11
- CBR 29/4** Compilation chart job bundle number 12
- CBR 29/5** Compilation chart job bundle number 18
- CBR 29/6** Compilation chart job bundle number 19
- CBR 29/7** Compilation chart job bundle number 28

CBR 29/8	Compilation chart job bundle number 30
CBR 29/9	Compilation chart job bundle number 32
CBR 29/10	Compilation chart job bundle number 35
CBR 29/11	Compilation chart job bundle number 42
CBR 29/12	Compilation chart job bundle number 44
CBR 29/13	Compilation chart job bundle number 45
CBR 29/14	Compilation chart job bundle number 46
CBR 29/15	Compilation chart job bundle number 47
CBR 29/16	Compilation chart job bundle number 48
CBR 29/17	Compilation chart job bundle number 50
CBR 29/18	Compilation chart job bundle number 51
CBR 29/19	Compilation chart job bundle number 55
CBR 29/20	Compilation chart job bundle number 56
CBR 29/21	Compilation chart job bundle number 58
CBR 29/22	Compilation chart job bundle number 59
CBR 29/23	Compilation chart job bundle number 76
CBR 29/24	Compilation chart job bundle number 77
CBR 29/25	Compilation chart job bundle number 78
CBR 29/26	Compilation chart job bundle number 79
CBR 29/27	Compilation chart job bundle number 82
CBR 29/28	Compilation chart job bundle number 84
CBR 29/29	Compilation chart job bundle number 87
CBR 29/30	Compilation chart job bundle number 89
CBR 29/31	Compilation chart job bundle number 99
CBR 29/32	Compilation chart job bundle number 106
CBR 29/33	Compilation chart job bundle number 109
CBR 29/34	Compilation chart job bundle number 110
CBR 29/35	Compilation chart job bundle number 115
CBR 29/36	Compilation chart job bundle number 120
CBR 29/37	Compilation chart job bundle number 121

CBR 29/38	Compilation chart job bundle number 125
CBR 29/39	Compilation chart job bundle number 142
CBR 29/40	Compilation chart job bundle number 143
CBR 29/41	Compilation chart job bundle number 144
CBR 29/42	Compilation chart job bundle number 154
CBR 29/43	Compilation chart job bundle number 157
CBR 29/44	Compilation chart job bundle number 159
CBR 29/45	Compilation chart job bundle number 160
CBR 29/46	Compilation chart job bundle number 164
CBR 29/47	Compilation chart job bundle number 171
CBR 29/48	Compilation chart job bundle number 175
CBR 29/49	Compilation chart job bundle number 177
CBR 29/50	Compilation chart job bundle number 190
CBR 29/51	Compilation chart job bundle number 193
CBR 29/52	Compilation chart job bundle number 197
CBR 29/53	Compilation chart job bundle number 210
CBR 29/54	Compilation chart job bundle number 211
CBR 29/55	Compilation chart job bundle number 213
CBR 29/56	Compilation chart job bundle number 219
CBR 29/57	Compilation chart job bundle number 220
CBR 29/58	Compilation chart job bundle number 222
CBR 29/59	Compilation chart job bundle number 223
CBR 29/60	Compilation chart job bundle number 229
CBR 29/61	Compilation chart job bundle number 230
CBR 29/62	Compilation chart job bundle number 231
CBR 29/63	Compilation chart job bundle number 233
CBR 29/64	Compilation chart job bundle number 235
CBR 29/65	Compilation chart job bundle number 244
CBR 29/66	Compilation chart job bundle number 245
CBR 29/67	Compilation chart job bundle number 254

CBR 29/68	Compilation chart job bundle number 255
CBR 29/69	Compilation chart job bundle number 256
CBR 29/70	Compilation chart job bundle number 257
CBR 29/71	Compilation chart job bundle number 259
CBR 29/72	Compilation chart job bundle number 260
CBR 29/73	Compilation chart job bundle number 262
CBR 29/74	Compilation chart job bundle number 266
CBR 29/75	Compilation chart job bundle number 267
CBR 29/76	Compilation chart job bundle number 268
CBR 29/77	Compilation chart job bundle number 272
CBR 29/78	Compilation chart job bundle number 273
CBR 29/79	Compilation chart job bundle number 274
CBR 29/80	Compilation chart job bundle number 275
CBR 29/81	Compilation chart job bundle number 278
CBR 29/82	Compilation chart job bundle number 289
CBR 29/83	Compilation chart job bundle number 291
CBR 29/84	Compilation chart job bundle number 292
CBR 29/85	Compilation chart job bundle number 294
CBR 29/86	Compilation chart job bundle number 295
CBR 29/87	Compilation chart job bundle number 298
CBR 29/88	Compilation chart job bundle number 299
CBR 29/89	Compilation chart job bundle number 301
CBR 29/90	Compilation chart job bundle number 304
CBR 29/91	Compilation chart job bundle number 323
CBR 29/92	Compilation chart job bundle number 327
CBR 29/93	Compilation chart job bundle number 332
CBR 29/94	Compilation chart job bundle number 333
CBR 29/95	Compilation chart job bundle number 334
CBR 29/96	Compilation chart job bundle number 351
CBR 29/97	Compilation chart job bundle number 360

CBR 29/98	Compilation chart job bundle number 371
CBR 29/99	Compilation chart job bundle number 373
CBR 29/100	Compilation chart job bundle number 374
CBR 29/101	Compilation chart job bundle number 376
CBR 29/102	Compilation chart job bundle number 388
CBR 29/103	Compilation chart job bundle number 390
CBR 29/104	Compilation chart job bundle number 396
CBR 29/105	Compilation chart job bundle number 397
CBR 29/106	Compilation chart job bundle number 398
CBR 29/107	Compilation chart job bundle number 410
CBR 29/108	Compilation chart job bundle number 414
CBR 29/109	Compilation chart job bundle number 420
CBR 29/110	Compilation chart job bundle number 425
CBR 29/111	Compilation chart job bundle number 427
CBR 29/112	Compilation chart job bundle number 431
CBR 29/113	Compilation chart job bundle number 432
CBR 29/114	Compilation chart job bundle number 433
CBR 29/115	Compilation chart job bundle number 442
CBR 29/116	Compilation chart job bundle number 444
CBR 29/117	Compilation chart job bundle number 446
CBR 29/118	Compilation chart job bundle number 449
CBR 29/119	Compilation chart job bundle number 454
CBR 29/120	Compilation chart job bundle number 456
CBR 29/121	Compilation chart job bundle number 457
CBR 29/122	Compilation chart job bundle number 458
CBR 29/123	Compilation chart job bundle number 459
CBR 29/124	Compilation chart job bundle number 462
CBR 29/125	Compilation chart job bundle number 464
CBR 29/126	Compilation chart job bundle number 466
CBR 29/127	Compilation chart job bundle number 467

CBR 29/128	Compilation chart job bundle number 471
CBR 29/129	Compilation chart job bundle number 474
CBR 29/130	Compilation chart job bundle number 475
CBR 29/131	Compilation chart job bundle number 477
CBR 29/132	Compilation chart job bundle number 478
CBR 29/133	Compilation chart job bundle number 481
CBR 29/134	Compilation chart job bundle number 483
CBR 29/135	Compilation chart job bundle number 485
CBR 29/136	Compilation chart job bundle number 486
CBR 29/137	Compilation chart job bundle number 489
CBR 29/138	Compilation chart job bundle number 491
CBR 29/139	Compilation chart job bundle number 493
CBR 29/140	Compilation chart job bundle number 499
CBR 29/141	Compilation chart job bundle number 500
CBR 29/142	Compilation chart job bundle number 501
CBR 29/143	Compilation chart job bundle number 502
CBR 29/144	Compilation chart job bundle number 504
CBR 29/145	Compilation chart job bundle number 508
CBR 29/146	Compilation chart job bundle number 510
CBR 29/147	Compilation chart job bundle number 512
CBR 29/148	Compilation chart job bundle number 513
CBR 29/149	Compilation chart job bundle number 517
CBR 29/150	Compilation chart job bundle number 520
CBR 29/151	Compilation chart job bundle number 521
CBR 29/152	Compilation chart job bundle number 522
CBR 29/153	Compilation chart job bundle number 525
CBR 29/154	Compilation chart job bundle number 526
CBR 29/155	Compilation chart job bundle number 528
CBR 29/156	Compilation chart job bundle number 529
CBR 29/157	Compilation chart job bundle number 530

CBR 29/158	Compilation chart job bundle number 531
CBR 29/159	Compilation chart job bundle number 535
CBR 29/160	Compilation chart job bundle number 536
CBR 29/161	Compilation chart job bundle number 539
CBR 29/162	Compilation chart job bundle number 540
CBR 29/163	Compilation chart job bundle number 543
CBR 29/164	Compilation chart job bundle number 545
CBR 29/165	Compilation chart job bundle number 549
CBR 29/166	Compilation chart job bundle number 551
CBR 29/167	Compilation chart job bundle number 552
CBR 29/168	Compilation chart job bundle number 555
CBR 29/169	Compilation chart job bundle number 556
CBR 29/170	Compilation chart job bundle number 557
CBR 29/171	Compilation chart job bundle number 558
CBR 29/172	Compilation chart job bundle number 560
CBR 29/173	Compilation chart job bundle number 561
CBR 29/174	Compilation chart job bundle number 564
CBR 29/175	Compilation chart job bundle number 566
CBR 29/176	Compilation chart job bundle number 575
CBR 29/177	Compilation chart job bundle number 583
CBR 29/178	Compilation chart job bundle number 584
CBR 29/179	Compilation chart job bundle number 585
CBR 29/180	Compilation chart job bundle number 586
CBR 29/181	Compilation chart job bundle number 587
CBR 29/182	Compilation chart job bundle number 588
CBR 29/183	Compilation chart job bundle number 590
CBR 29/184	Compilation chart job bundle number 591
CBR 29/185	Compilation chart job bundle number 592
CBR 29/186	Compilation chart job bundle number 593
CBR 29/187	Compilation chart job bundle number 594

CBR 29/188	Compilation chart job bundle number 596
CBR 29/189	Compilation chart job bundle number 597
CBR 29/190	Compilation chart job bundle number 601
CBR 29/191	Compilation chart job bundle number 604
CBR 29/192	Compilation chart job bundle number 605
CBR 29/193	Compilation chart job bundle number 608
CBR 29/194	Compilation chart job bundle number 610
CBR 29/195	Compilation chart job bundle number 611
CBR 29/196	Compilation chart job bundle number 612
CBR 29/197	Compilation chart job bundle number 614
CBR 29/198	Compilation chart job bundle number 616
CBR 29/199	Compilation chart job bundle number 618
CBR 29/200	Compilation chart job bundle number 623
CBR 29/201	Compilation chart job bundle number 625
CBR 29/202	Compilation chart job bundle number 632
CBR 29/203	Compilation chart job bundle number 633
CBR 29/204	Compilation chart job bundle number 635
CBR 29/205	Compilation chart job bundle number 641
CBR 29/206	Compilation chart job bundle number 642
CBR 29/207	Compilation chart job bundle number 644
CBR 29/208	Compilation chart job bundle number 646
CBR 29/209	Compilation chart job bundle number 648
CBR 29/210	Compilation chart job bundle number 649
CBR 29/211	Compilation chart job bundle number 658
CBR 29/212	Compilation chart job bundle number 659
CBR 29/213	Compilation chart job bundle number 660
CBR 29/214	Compilation chart job bundle number 680
CBR 29/215	Compilation chart job bundle number 697
CBR 29/216	Compilation chart job bundle number 702
CBR 29/217	Compilation chart job bundle number 728

CBR 29/218	Compilation chart job bundle number 733
CBR 29/219	Compilation chart job bundle number 734
CBR 29/220	Compilation chart job bundle number 735
CBR 29/221	Compilation chart job bundle number 736
CBR 29/222	Compilation chart job bundle number 737
CBR 29/223	Compilation chart job bundle number 738
CBR 29/224	Compilation chart job bundle number 739
CBR 29/225	Compilation chart job bundle number 741
CBR 29/226	Compilation chart job bundle number 764
CBR 29/227	Compilation chart job bundle number 774
CBR 29/228	Compilation chart job bundle number 777
CBR 29/229	Compilation chart job bundle number 791
CBR 29/230	Compilation chart job bundle number 793
CBR 29/231	Compilation chart job bundle number 794
CBR 29/232	Compilation chart job bundle number 795
CBR 29/233	Compilation chart job bundle number 797
CBR 29/234	Compilation chart job bundle number 799
CBR 29/235	Compilation chart job bundle number 817
CBR 29/236	Compilation chart job bundle number 818
CBR 29/237	Compilation chart job bundle number 823
CBR 29/238	Compilation chart job bundle number 826
CBR 29/239	Compilation chart job bundle number 849
CBR 29/240	Compilation chart job bundle number 867
CBR 29/241	Compilation chart job bundle number 868
CBR 29/242	Compilation chart job bundle number 871
CBR 29/243	Compilation chart job bundle number 893
CBR 29/244	Compilation chart job bundle number 897
CBR 29/245	Compilation chart job bundle number 899
CBR 29/246	Compilation chart job bundle number 900
CBR 29/247	Compilation chart job bundle number 902

CBR 29/248	Compilation chart job bundle number 903
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CBR 29/272	Compilation chart job bundle number 1055
CBR 29/273	Compilation chart job bundle number 1061
CBR 29/274	Compilation chart job bundle number 1063
CBR 29/275	Compilation chart job bundle number 1073
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CBR 29/277	Compilation chart job bundle number 1078

CBR 29/278	Compilation chart job bundle number 1081
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CBR 29/760 Compilation chart job bundle number 2968

CBR 29/761 Compilation chart job bundle number 2987

CBR 29/762 Compilation chart job bundle number 2988

CBR 29/763 Compilation chart job bundle number 2991

CBR 29/764 Compilation chart job bundle number 3026

CBR 29/765 Compilation chart job bundle number 3041

CBR 29/766 Compilation chart job bundle number 3044

CBR 29/767 Compilation chart job bundle number 3046

CBR 29/768 Compilation chart job bundle number 3053

CBR 29/769 Compilation chart job bundle number 3055

CBR 29/770 Compilation chart job bundle number 3063

CBR 29/771 Compilation chart job bundle number 3064

CBR 29/772 Compilation chart job bundle number 3070

CBR 29/773 Compilation chart job bundle number 3076

CBR 29/774 Compilation chart job bundle number 3082

CBR 29/775 Compilation chart job bundle number 3083

CBR 29/776 Compilation chart job bundle number 3084

CBR 29/777 Compilation chart job bundle number 3089

CBR 29/778 Compilation chart job bundle number 3090

CBR 29/779 Compilation chart job bundle number 3091

CBR 29/780 Compilation chart job bundle number 3092

CBR 29/781 Compilation chart job bundle number 3095

CBR 29/782 Compilation chart job bundle number 3096

CBR 29/783 Compilation chart job bundle number 3098

CBR 29/784 Compilation chart job bundle number 3110

CBR 29/785 Compilation chart job bundle number 3111

CBR 29/786 Compilation chart job bundle number 3125

CBR 29/787 Compilation chart job bundle number 3136

CBR 29/788 Compilation chart job bundle number 3146

CBR 29/789 Compilation chart job bundle number 3148

CBR 29/790 Compilation chart job bundle number 3150

CBR 29/791 Compilation chart job bundle number 3151

CBR 29/792 Compilation chart job bundle number 3160

CBR 29/793 Compilation chart job bundle number 3167

CBR 29/794 Compilation chart job bundle number 3175

CBR 29/795 Compilation chart job bundle number 3183

CBR 29/796 Compilation chart job bundle number 3186

CBR 29/797 Compilation chart job bundle number 3187

CBR 29/798 Compilation chart job bundle number 3188

CBR 29/799 Compilation chart job bundle number 3190

CBR 29/800 Compilation chart job bundle number 3192

CBR 29/801 Compilation chart job bundle number 3204

CBR 29/802 Compilation chart job bundle number 3224

CBR 29/803 Compilation chart job bundle number 3226

CBR 29/804 Compilation chart job bundle number 3235

CBR 29/805 Compilation chart job bundle number 3261

CBR 29/806 Compilation chart job bundle number 3271

CBR 29/807 Compilation chart job bundle number 3272

CBR 29/808 Compilation chart job bundle number 3274

CBR 29/809 Compilation chart job bundle number 3275

CBR 29/810 Compilation chart job bundle number 3279

CBR 29/811 Compilation chart job bundle number 3281

CBR 29/812 Compilation chart job bundle number 3282

CBR 29/813 Compilation chart job bundle number 3283

CBR 29/814 Compilation chart job bundle number 3284

CBR 29/815 Compilation chart job bundle number 3290

CBR 29/816 Compilation chart job bundle number 3291

CBR 29/817 Compilation chart job bundle number 3292

CBR 29/818 Compilation chart job bundle number 3293
CBR 29/819 Compilation chart job bundle number 3294
CBR 29/820 Compilation chart job bundle number 3295
CBR 29/821 Compilation chart job bundle number 3297
CBR 29/822 Compilation chart job bundle number 3298
CBR 29/823 Compilation chart job bundle number 3315
CBR 29/824 Compilation chart job bundle number 3318
CBR 29/825 Compilation chart job bundle number 3319
CBR 29/826 Compilation chart job bundle number 3337
CBR 29/827 Compilation chart job bundle number 3338
CBR 29/828 Compilation chart job bundle number 3339
CBR 29/829 Compilation chart job bundle number 3381
CBR 29/830 Compilation chart job bundle number 3382
CBR 29/831 Compilation chart job bundle number 3384
CBR 29/832 Compilation chart job bundle number 3391
CBR 29/833 Compilation chart job bundle number 3409
CBR 29/834 Compilation chart job bundle number 3410
CBR 29/835 Compilation chart job bundle number 3412
CBR 29/836 Compilation chart job bundle number 3413
CBR 29/837 Compilation chart job bundle number 3415
CBR 29/838 Compilation chart job bundle number 3422
CBR 29/839 Compilation chart job bundle number 3433
CBR 29/840 Compilation chart job bundle number 3442
CBR 29/841 Compilation chart job bundle number 3451
CBR 29/842 Compilation chart job bundle number 3452
CBR 29/843 Compilation chart job bundle number 3454
CBR 29/844 Compilation chart job bundle number 3455
CBR 29/845 Compilation chart job bundle number 3456
CBR 29/846 Compilation chart job bundle number 3457
CBR 29/847 Compilation chart job bundle number 3458

CBR 29/848 Compilation chart job bundle number 3459

CBR 29/849 Compilation chart job bundle number 3462

CBR 29/850 Compilation chart job bundle number 3488

CBR 29/851 Compilation chart job bundle number 3489

CBR 29/852 Compilation chart job bundle number 3490

CBR 29/853 Compilation chart job bundle number 3493

CBR 29/854 Compilation chart job bundle number 3497

CBR 29/855 Compilation chart job bundle number 3501

CBR 29/856 Compilation chart job bundle number 3506

CBR 29/857 Compilation chart job bundle number 3509

CBR 29/858 Compilation chart job bundle number 3510

CBR 29/859 Compilation chart job bundle number 3512

CBR 29/860 Compilation chart job bundle number 3517

CBR 29/861 Compilation chart job bundle number 3519

CBR 29/862 Compilation chart job bundle number 3531

CBR 29/863 Compilation chart job bundle number 3537

CBR 29/864 Compilation chart job bundle number 3539

CBR 29/865 Compilation chart job bundle number 3561

CBR 29/866 Compilation chart job bundle number 3562

CBR 29/867 Compilation chart job bundle number 3563

CBR 29/868 Compilation chart job bundle number 3580

CBR 29/869 Compilation chart job bundle number 3619

CBR 29/870 Compilation chart job bundle number 3632

CBR 29/871 Compilation chart job bundle number 3633

CBR 29/872 Compilation chart job bundle number 3658

CBR 29/873 Compilation chart job bundle number 3659

CBR 29/874 Compilation chart job bundle number 3683

CBR 29/875 Compilation chart job bundle number 3686

CBR 29/876 Compilation chart job bundle number 3687

CBR 29/877 Compilation chart job bundle number 3688

CBR 29/878 Compilation chart job bundle number 3691
CBR 29/879 Compilation chart job bundle number 3692
CBR 29/880 Compilation chart job bundle number 3695
CBR 29/881 Compilation chart job bundle number 3698
CBR 29/882 Compilation chart job bundle number 3699
CBR 29/883 Compilation chart job bundle number 3703
CBR 29/884 Compilation chart job bundle number 3709
CBR 29/885 Compilation chart job bundle number 3718
CBR 29/886 Compilation chart job bundle number 3719
CBR 29/887 Compilation chart job bundle number 3724
CBR 29/888 Compilation chart job bundle number 3725
CBR 29/889 Compilation chart job bundle number 3726
CBR 29/890 Compilation chart job bundle number 3739
CBR 29/891 Compilation chart job bundle number 3740
CBR 29/892 Compilation chart job bundle number 3741
CBR 29/893 Compilation chart job bundle number 3746
CBR 29/894 Compilation chart job bundle number 3747
CBR 29/895 Compilation chart job bundle number 3749
CBR 29/896 Compilation chart job bundle number 3750
CBR 29/897 Compilation chart job bundle number 3752
CBR 29/898 Compilation chart job bundle number 3755
CBR 29/899 Compilation chart job bundle number 3764
CBR 29/900 Compilation chart job bundle number 3773
CBR 29/901 Compilation chart job bundle number 3782
CBR 29/902 Compilation chart job bundle number 3783
CBR 29/903 Compilation chart job bundle number 3796
CBR 29/904 Compilation chart job bundle number 3800
CBR 29/905 Compilation chart job bundle number 3803
CBR 29/906 Compilation chart job bundle number 3812
CBR 29/907 Compilation chart job bundle number 3814

CBR 29/908 Compilation chart job bundle number 3831
CBR 29/909 Compilation chart job bundle number 3833
CBR 29/910 Compilation chart job bundle number 3841
CBR 29/911 Compilation chart job bundle number 3842
CBR 29/912 Compilation chart job bundle number 3843
CBR 29/913 Compilation chart job bundle number 3844
CBR 29/914 Compilation chart job bundle number 3846
CBR 29/915 Compilation chart job bundle number 3847
CBR 29/916 Compilation chart job bundle number 3848
CBR 29/917 Compilation chart job bundle number 3849
CBR 29/918 Compilation chart job bundle number 3850
CBR 29/919 Compilation chart job bundle number 3851
CBR 29/920 Compilation chart job bundle number 3853
CBR 29/921 Compilation chart job bundle number 3854
CBR 29/922 Compilation chart job bundle number 3856
CBR 29/923 Compilation chart job bundle number 3857
CBR 29/924 Compilation chart job bundle number 3858
CBR 29/925 Compilation chart job bundle number 3892
CBR 29/926 Compilation chart job bundle number 3893
CBR 29/927 Compilation chart job bundle number 3907
CBR 29/928 Compilation chart job bundle number 3908
CBR 29/929 Compilation chart job bundle number 3910
CBR 29/930 Compilation chart job bundle number 3912
CBR 29/931 Compilation chart job bundle number 3913
CBR 29/932 Compilation chart job bundle number 3914
CBR 29/933 Compilation chart job bundle number 3919
CBR 29/934 Compilation chart job bundle number 3928
CBR 29/935 Compilation chart job bundle number 3933
CBR 29/936 Compilation chart job bundle number 3935
CBR 29/937 Compilation chart job bundle number 3936

CBR 29/938	Compilation chart job bundle number 3950
CBR 29/939	Compilation chart job bundle number 3952
CBR 29/940	Compilation chart job bundle number 3955
CBR 29/941	Compilation chart job bundle number 3957
CBR 29/942	Compilation chart job bundle number 3958
CBR 29/943	Compilation chart job bundle number 3959
CBR 29/944	Compilation chart job bundle number 3962
CBR 29/945	Compilation chart job bundle number 3963
CBR 29/946	Compilation chart job bundle number 3965
CBR 29/947	Compilation chart job bundle number 3970
CBR 29/948	Compilation chart job bundle number 3971
CBR 29/949	Compilation chart job bundle number 3972
CBR 29/950	Compilation chart job bundle number 3973
CBR 29/951	Compilation chart job bundle number 3974
CBR 29/952	Compilation chart job bundle number 3975
CBR 29/953	Compilation chart job bundle number 3977
CBR 29/954	Compilation chart job bundle number 3978
CBR 29/955	Compilation chart job bundle number 3979
CBR 29/956	Compilation chart job bundle number 3980
CBR 29/957	Compilation chart job bundle number 3981
CBR 29/958	Compilation chart job bundle number 3986
CBR 29/959	Compilation chart job bundle number 3987
CBR 29/960	Compilation chart job bundle number 3997
CBR 29/961	Compilation chart job bundle number 4012
CBR 29/962	Compilation chart job bundle number 4013
CBR 29/963	Compilation chart job bundle number 4020
CBR 29/964	Compilation chart job bundle number 4024
CBR 29/965	Compilation chart job bundle number 4032
CBR 29/966	Compilation chart job bundle number 4039
CBR 29/967	Compilation chart job bundle number 4040

CBR 29/968	Compilation chart job bundle number 4050
CBR 29/969	Compilation chart job bundle number 4051
CBR 29/970	Compilation chart job bundle number 4052
CBR 29/971	Compilation chart job bundle number 4053
CBR 29/972	Compilation chart job bundle number 4060
CBR 29/973	Compilation chart job bundle number 4061
CBR 29/974	Compilation chart job bundle number 4062
CBR 29/975	Compilation chart job bundle number 4065
CBR 29/976	Compilation chart job bundle number 4072
CBR 29/977	Compilation chart job bundle number 4073
CBR 29/978	Compilation chart job bundle number 4074
CBR 29/979	Compilation chart job bundle number 4075
CBR 29/980	Compilation chart job bundle number 4102
CBR 29/981	Compilation chart job bundle number 4119
CBR 29/982	Compilation chart job bundle number 4121
CBR 29/983	Compilation chart job bundle number 4122
CBR 29/984	Compilation chart job bundle number 4128
CBR 29/985	Compilation chart job bundle number 4140
CBR 29/986	Compilation chart job bundle number 4200
CBR 29/987	Compilation chart job bundle number 4201
CBR 29/988	Compilation chart job bundle number 4202
CBR 29/989	Compilation chart job bundle number 4207
CBR 29/990	Compilation chart job bundle number 4216
CBR 29/991	Compilation chart job bundle number 4217
CBR 29/992	Compilation chart job bundle number 4218
CBR 29/993	Compilation chart job bundle number 4219
CBR 29/994	Compilation chart job bundle number 4220
CBR 29/995	Compilation chart job bundle number 4222
CBR 29/996	Compilation chart job bundle number 4223
CBR 29/997	Compilation chart job bundle number 4224

CBR 29/998 Compilation chart job bundle number 4225
CBR 29/999 Compilation chart job bundle number 4227
CBR 29/1000 Compilation chart job bundle number 4231
CBR 29/1001 Compilation chart job bundle number 4242
CBR 29/1002 Compilation chart job bundle number 4245
CBR 29/1003 Compilation chart job bundle number 4246
CBR 29/1004 Compilation chart job bundle number 4247
CBR 29/1005 Compilation chart job bundle number 4249
CBR 29/1006 Compilation chart job bundle number 4250
CBR 29/1007 Compilation chart job bundle number 4255
CBR 29/1008 Compilation chart job bundle number 4258
CBR 29/1009 Compilation chart job bundle number 4259
CBR 29/1010 Compilation chart job bundle number 4262
CBR 29/1011 Compilation chart job bundle number 4264
CBR 29/1012 Compilation chart job bundle number 4265
CBR 29/1013 Compilation chart job bundle number 4266
CBR 29/1014 Compilation chart job bundle number 4267
CBR 29/1015 Compilation chart job bundle number 4400
CBR 29/1016 Compilation chart job bundle number 4401
CBR 29/1017 Compilation chart job bundle number 4402
CBR 29/1018 Compilation chart job bundle number 4403
CBR 29/1019 Compilation chart job bundle number 4404
CBR 29/1020 Compilation chart job bundle number 4405
CBR 29/1021 Compilation chart job bundle number 4406
CBR 29/1022 Compilation chart job bundle number 4410
CBR 29/1023 Compilation chart job bundle number 4503
CBR 29/1024 Compilation chart job bundle number 4608
CBR 29/1025 Compilation chart job bundle number 4609
CBR 29/1026 Compilation chart job bundle number 4610
CBR 29/1027 Compilation chart job bundle number 4615

CBR 29/1028 Compilation chart job bundle number 4616
CBR 29/1029 Compilation chart job bundle number 4618
CBR 29/1030 Compilation chart job bundle number 4733
CBR 29/1031 Compilation chart job bundle number 4734
CBR 29/1032 Compilation chart job bundle number 4735
CBR 29/1033 Compilation chart job bundle number 4736
CBR 29/1034 Compilation chart job bundle number 4737
CBR 29/1035 Compilation chart job bundle number 4738
CBR 29/1036 Compilation chart job bundle number 4739
CBR 29/1037 Compilation chart job bundle number 4740
CBR 29/1038 Compilation chart job bundle number 4741
CBR 29/1039 Compilation chart job bundle number 4745
CBR 29/1040 Compilation chart job bundle number 4746
CBR 29/1041 Compilation chart job bundle number 4747
CBR 29/1042 Compilation chart job bundle number 4748
CBR 29/1043 Compilation chart job bundle number 4749
CBR 29/1044 Compilation chart job bundle number 4750
CBR 29/1045 Compilation chart job bundle number 4751
CBR 29/1046 Compilation chart job bundle number 4752
CBR 29/1047 Compilation chart job bundle number 4753
CBR 29/1048 Compilation chart job bundle number 4754
CBR 29/1049 Compilation chart job bundle number 4755
CBR 29/1050 Compilation chart job bundle number 4756
CBR 29/1051 Compilation chart job bundle number 4757
CBR 29/1052 Compilation chart job bundle number 4758
CBR 29/1053 Compilation chart job bundle number 4762
CBR 29/1054 Compilation chart job bundle number 4763
CBR 29/1055 Compilation chart job bundle number 4764
CBR 29/1056 Compilation chart job bundle number 4765
CBR 29/1057 Compilation chart job bundle number 4766

CBR 29/1058 Compilation chart job bundle number 4767
CBR 29/1059 Compilation chart job bundle number 4768
CBR 29/1060 Compilation chart job bundle number 4769
CBR 29/1061 Compilation chart job bundle number 4770
CBR 29/1062 Compilation chart job bundle number 4774
CBR 29/1063 Compilation chart job bundle number 4775
CBR 29/1064 Compilation chart job bundle number 4776
CBR 29/1065 Compilation chart job bundle number 4777
CBR 29/1066 Compilation chart job bundle number 4778
CBR 29/1067 Compilation chart job bundle number 4779
CBR 29/1068 Compilation chart job bundle number 4780
CBR 29/1069 Compilation chart job bundle number 4781
CBR 29/1070 Compilation chart job bundle number 4782
CBR 29/1071 Compilation chart job bundle number 4783
CBR 29/1072 Compilation chart job bundle number 4784
CBR 29/1073 Compilation chart job bundle number 4785
CBR 29/1074 Compilation chart job bundle number 4786
CBR 29/1075 Compilation chart job bundle number 4787
CBR 29/1076 Compilation chart job bundle number 4788
CBR 29/1077 Compilation chart job bundle number 4789
CBR 29/1078 Compilation chart job bundle number 4790
CBR 29/1079 Compilation chart job bundle number 4791
CBR 29/1080 Compilation chart job bundle number 4794
CBR 29/1081 Compilation chart job bundle number 4932
CBR 29/1082 Compilation chart job bundle number 4936
CBR 29/1083 Compilation chart job bundle number 4953
CBR 29/1084 Compilation chart job bundle number 4958
CBR 29/1085 Compilation chart job bundle number 4960
CBR 29/1086 Compilation chart job bundle number 4961
CBR 29/1087 Compilation chart job bundle number 4962

- CBR 29/1088** Compilation chart job bundle number 4964
- CBR 29/1089** Compilation chart job bundle number 4965
- CBR 29/1090** Compilation chart job bundle number 5500
- CBR 29/1091** Compilation chart job bundle number 5502
- CBR 29/1092** Compilation chart job bundle number Q6090

CBR 30 Compilation chart job rolls, [not sorted or listed], c. 1950s-2000s

CBR 31 Compilation chart job rolls, organised by branch, c. 1950s-2000s

CBR 31/1 Compilation chart job rolls, RT1 chart branch, c. 1950s-2000s

Folder 1 includes numbers 84, 175, 1185, 1406, 1408, 1479, 1482, 1613, 1752, 1753, 1840, 1973, 1975, 2125, 2156, 2182B, 2386, 2392, 2396, 2480, 2498, 2552, 2635, 2692, 3273, 3274, 3339, 3746

Folder 2 includes numbers 44, 1119, 1165, 1178, 1179, 1320, 1447, 1547, 1795, 2010, 2125, 2134, 2182C, 2184, 2372, 2379, 2388, 2389, 2394, 2504, 2565, 2720, 2739, 2841, 2905, 3281, 3282, 3295

Folder 3 includes numbers 175, 190, 1128, 1156, 1233, 1239, 1409, 1415, 1447, 1607, 1794, 1977, 1978, 2053, 2198, 2207, 2386, 2388, 2617, 2706, 2752, 2767, 2792, 2811, 3338

Folder 4 includes numbers 219, 323, 1431, 1447, 1610, 1794, 1883, 1892, 1951, 1953, 2010, 2049, 2184, 2207, 2208, 2380, 2390, 2449, 2451, 2511, 2739, 3282, 3298

Folder 5 includes numbers 1179, 1408, 1503, 1610, 1753, 2053, 2326, 2343, 2345, 2449, 2511, 2617, 3274, 3490

Folder 6 includes numbers 536, 1077, 1415, 1757, 1904, 2182C, 2253, 2484, 2697, 4140

Folder 7 includes numbers 115, 222, 1183, 1239, 1349, 1406, 1408, 1409, 1479, 1481, 1504, 1757, 1838, 1840, 1942, 2053, 2129, 2181A, 2392, 2568, 2581, 2642, 2771, 3299, 3490

Folder 8 includes numbers 1237, 1942, 1984, 1991, 2052, 2096, 2182B, 2392, 2500, 2509, 2515, 2552, 2697, 2721, 2841, 3281

Folder 9 includes numbers 210, 245, 323, 1413, 1431, 1794, 1795, 1859, 1984, 1991, 2011, 2182D, 2199, 2210, 2494, 2502, 2509, 2584, 2617, 2692, 2702, 3281

CBR 31/2 Compilation chart job rolls, RT2 chart branch, numbers 45, 144, 1448, c. 1950s-2000s

CBR 31/3 Compilation chart job rolls, master proofs to sort for branch HDB/RT1, c. 1950s-2000s

Includes numbers 222, 728, 736, 1156, 1183, 1415, 1431, 1447, 1610, 1757, 1838, 1840, 2129, 2184, 2528, 2568, 2581, 2740, 3299

CBR 32 Source overlays, c. 1950s-2000s

CBR 32/1 Organised by chart branch, mostly arranged by number, c. 1950s-2000s

CBR 32/1/1 Source overlays chart branch RT1, c. 1950s-2000s

Folder 1 includes numbers 1077, 2503, 3490

Folder 2 includes numbers 2136, 2147, 2669, 3653, 3654, 3655, 3656, 3659, 3670, 3674

CBR 32/1/2 Source overlays chart branch RT2, c. 1950s-2000s

Folder number ranges 53-299

Includes 53, 57, 83, 85, 86, 87, 110, 112, 114, 133, 137, 140, 142, 144, 149, 172, 193, 235, 275, 299

Folder number ranges 485-916

Includes 485, 509, 562, 565, 644, 665, 773, 774, 798, 847, 849, 873, 879, 900, 903, 916

Folder number ranges 1054-1155

Includes 1054, 1079, 1080, 1083, 1088, 1089, 1090, 1106, 1111, 1114, 1122, 1131, 1133, 1155

Folder number ranges 1181-1996

Includes 1181, 1189, 1195, 1327, 1343, 1448, 1466, 1473, 1505, 1535, 1539, 1588, 1600, 1626, 1643, 1658, 1685, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1756, 1757, 1764, 1768, 1769, 1848, 1872, 1873, 1874, 1875, 1941, 1950, 1959, 1974, 1985, 1996

Packet contains number range: 2114-2299

2114, 2115, 2116, 2118, 2138, 2150, 2166, 2212, 2215, 2222, 2223, 2224, 2225, 2225, 2226, 2227, 2241, 2243, 2246, 2248, 2251, 2252, 2264, 2271, 2273, 2276, 2278, 2280, 2284, 2288, 2288, 2291, 2296, 2297, 2298, 2299

Packet contains number range: 2300-2599

2300, 2303, 2305, 2306, 2307, 2308, 2310, 2315, 2317, 2321, 2328, 2330, 2333, 2337, 2338, 2340, 2350, 2356, 2357, 2360, 2361, 2362, 2366, 2367, 2368, 2369, 2370, 2371, 2393, 2395, 2590, 2594, 2595, 2596, 2597

Packet contains number range: 2646-2834

2646, 2663, 2672, 2673, 2733, 2734, 2745, 2750, 2761, 2816, 2817, 2831,
2832, 2834

Packet contains number range: 2929-2982

2929, 2962, 2963, 2966, 2982

Packet contains number range: 3000-F6189

F6189, 3003, 3034, 3036, 3041, 3062, 3114, 3126, 3127, 3136, 3141, 3142,
3143, 3144, 3145, 3147, 3155, 3156, 3157, 3163, 3168, 3169, 3170, 3180,
3181, 3191, 3194, 3211, 3217, 3224, 3261, 3262, 3266, 3268, 3318, 3368,
3369, 3405, 3406, 3407, 3415, 3435, 3436, 3437, 3465, 3546, 3547, 3556,
3557, 3633, 3634, 3635, 3636, 3638, 3640, 3712, 3717, 3767, 4011, 4014,
4100, 4101, 4112, 4113, 4114

CBR 32/1/3 Source overlays chart branch RT3, c. 1950s-2000s

Folder 1 includes numbers 308, 312, 666, 1322, 2007, 2203, 2237, 2283, 2939, 3133,
3352

Folder number range 30-188

36, 118, 119, 140, 165, 176, 177, 178, 180, 183, 186, 187, 188

Folder number range 189-238

189, 196, 200, 201, 202, 203, 204, 206, 211, 212, 220, 224, 236, 237, 238

Folder number range 239-367

239, 242, 243, 269, 302, 305, 307, 309, 310, 311, 351, 354, 355, 356, 366,
367

Folder number range 412-595

412, 455, 497, 515, 563, 574, 575, 577, 578, 580, 595

Folder number range 657-689

657, 659, 663, 665, 666, 667, 668, 674, 683, 685, 686, 689

Folder number range 711-722

711, 712, 713, 716, 717, 718, 721, 722

Folder number range 724-851

724, 740, 742, 776, 796, 805, 812, 814, 822, 840, 842, 848, 849, 851

Folder number range 852-914

852, 856, 860, 861, 862, 863, 886, 906, 907, 908, 914

Folder number range 915-1032

915, 916, 917, 963, 964, 965, 966, 973, 974, 992, 1003, 1004, 1005, 1006,
1018, 1030, 1031, 1032

Folder number range 1037-1099

1037, 1038, 1040, 1041, 1054, 1055, 1056, 1057, 1058, 1061, 1062, 1085,
1086, 1087, 1091, 1092, 1093, 1095, 1099

Folder number range 1147-1232

1147, 1184, 1198, 1202, 1204, 1205, 1208, 1210, 1212, 1213, 1215, 1232

Folder number range 1272-1363

1272, 1274, 1275, 1279, 1321, 1322, 1356, 1357, 1359, 1361, 1362, 1363

Folder number range 1363-1385

1363, 1364, 1365, 1380, 1381, 1383, 1384, 1385

Folder number range 1386-1456

1386, 1387, 1398, 1417, 1418, 1419, 1426, 1439, 1443, 1444, 1445, 1456

Folder number range 1467-1554

1467, 1471, 1483, 1486, 1497, 1506, 1513, 1522, 1526, 1531, 1532, 1538,
1539, 1541, 1554

Folder number range 1556-1591

1556, 1562, 1563, 1567, 1571, 1574, 1580, 1582, 1585, 1590, 1591

Folder number range 1595-1689

1595, 1596, 1598, 1599, 1608, 1618, 1636, 1644, 1657, 1661, 1662, 1663,
1664, 1665, 1675, 1676, 1683, 1685, 1687, 1688, 1689

Folder number range 1690-1780

1690, 1691, 1699, 1706, 1707, 1724, 1726, 1769, 1771, 1780

Folder number range 1806-1887

1806, 1816, 1831, 1845, 1847, 1856, 1857, 1858, 1860, 1862, 1863, 1869,
1870, 1887

Folder number range 1908-1992

1908, 1909, 1911, 1912, 1941, 1950, 1956, 1958, 1980, 1985, 1992

Folder number range 1996-2121

1996, 1998, 1999, 2070, 2074, 2078, 2080, 2082, 2083, 2087, 2088, 2091, 2095, 2121

Folder number range 2122-2217

2122, 2123, 2124, 2147, 2187, 2200, 2201, 2202, 2203, 2212, 2213, 2214, 2217

Folder number range 2230-2284

2230, 2232, 2233, 2234, 2236, 2237, 2238, 2242, 2243, 2282, 2283, 2284

Folder number range 2285-2537

2285, 2286, 2399, 2402, 2404, 2405, 2406, 2429, 2478, 2537

Folder number range 2538-2719

2538, 2573, 2574, 2578, 2623, 2632, 2634, 2711, 2717, 2719

Folder number range 2741-2968

2741, 2744, 2773, 2774, 2812, 2926, 2927, 2929, 2930, 2931, 2932, 2933, 2934, 2935, 2949, 2968

Folder number range 3048-3132

3048, 3051, 3093, 3099, 3100, 3101, 3102, 3103, 3104, 3113, 3118, 3119, 3132

Folder number range 3133-3300

3133, 3134, 3135, 3139, 3206, 3211, 3286, 3287, 3300

Folder number range 3302-3316

3302, 3303, 3304, 3307, 3310, 3311, 3312, 3313, 3316

Folder number range 3317-3403

3317, 3321, 3323, 3325, 3327, 3343, 3344, 3347, 3352, 3361, 3362, 3371, 3400, 3401, 3402, 3403

Folder number range 3432-3681

3432, 3433, 3434, 3447, 3448, 3460, 3466, 3532, 3648, 3679, 3681

Folder number range 3870-4158

3870, 3873, 3876, 3877, 3930, 4021, 4022, 4070, 4104, 4136, 4141, 4142, 4146, 4150, 4151, 4152, 4153, 4154, 4155, 4158

Folder number range 4159-4701

4159, 4173, 4174, 4203, 4205, 4206, 4208, 4209, 4300, 4301, 4302, 4700,
4701

CBR 32/1/4 Source overlays chart branch RT4, c. 1950s-2000s

Folder number range 1-38

1, 3, 6, 8, 13, 14, 15, 16, 27, 38

Folder number range 39-63

39, 40, 43, 58, 59, 61, 63

Folder number range 64-123

64, 65, 66, 67, 81, 82, 84, 100, 123

Folder number range 136-171

136, 141, 143, 157, 168, 171

Folder number range 212-262

212, 216, 233, 234, 239, 240, 241, 253, 262

Folder number range 287-548

287, 333, 400, 452, 453, 492, 514, 538, 542, 548

Folder number range 666-792

666, 670, 671, 672, 673, 699, 707, 708, 709, 725, 726, 727, 732, 753, 754,
755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769,
770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 792

Folder number range 801-859

801, 817, 818, 819, 823, 824, 825, 826, 833, 834, 859

Folder number range 912-999

912, 918, 920, 928, 932, 933, 941A, 942A, 942B, 943, 945, 946, 950, 967,
971, 975, 976, 983, 986, 999

Folder number range 1011-1223

1011, 1014, 1052, 1066, 1075, 1140, 1214, 1223, 1224

Folder number range 1228-1284

1228, 1265, 1268, 1269, 1284

Folder number range 1311-1487

1311, 1312, 1336, 1338, 1348, 1358, 1398, 1419, 1420, 1470, 1474, 1486,
1487

Folder number range 1508-1697

1508, 1509, 1564, 1565, 1566, 1584, 1586, 1587, 1654, 1655, 1680, 1681,
1697

Folder number range 1748-1964

1748, 1788, 1789, 1794, 1799, 1823, 1844, 1852, 1885, 1925, 1926, 1949,
1964

Folder number range 2012-2153

2012, 2014, 2056, 2058, 2068, 2090, 2099, 2109, 2111, 2112, 2132, 2133,
2134, 2137, 2139, 2149, 2152, 2153

Folder number range 2374-2598

2374, 2414, 2422, 2426, 2441, 2442, 2443, 2523, 2555, 2556, 2569, 2575,
2577, 2585, 2586, 2587, 2598, 2670

Folder number range 2621-2797

2621, 2624, 2627, 2638, 2640, 2736, 2738, 2758, 2776, 2778, 2785, 2791

Folder number range 2837-2870

2837, 2847, 2851, 2854, 2858, 2869, 2870

Folder number range 2872-2884

2872, 2873, 2876, 2877, 2882, 2884

Folder number range 2886-2970

2886, 2887, 2888, 2889, 2892, 2893, 2894, 2895, 2896, 2917, 2964, 2970

Folder number range 3011-3296

3011, 3012, 3013, 3014, 3017, 3022, 3029, 3040, 3049, 3051, 3171, 3172,
3173, 3174, 3175, 3177, 3178, 3179, 3193, 3214, 3215, 3239, 3241, 3242,
3243, 3244, 3296

Folder number range 3323-3414

3323, 3404, 3405, 3409, 3410, 3411, 3413, 3414

Folder number range 3445-3482

3445, 3446, 3447, 3460, 3461, 3464, 3466, 3471, 3476, 3482

Folder number range 3483-3525

3483, 3484, 3485, 3511, 3518, 3519, 3520, 3521, 3522, 3523, 3525

Folder number range 3526-3719

3526, 3530, 3542, 3543, 3558, 3574, 3584, 3595, 3599, 3616, 3626, 3660,
3661, 3662, 3706, 3713, 3714, 3715, 3718, 3719

Folder number range 3720-3743

3720, 3721, 3722, 3723, 3727, 3728, 3729, 3731, 3732, 3733, 3734, 3735,
3736, 3737, 3739, 3743

Folder number range 3744-3780

3744, 3745, 3747, 3752, 3757, 3758, 3772, 3773, 3774, 3775, 3776, 3777,
3778, 3779, 3780

Folder number range 3781-3790

3781, 3783, 3784, 3785, 3786, 3787, 3788, 3789, 3790

Folder number range 3791-3831

3791, 3792, 3796, 3798, 3812, 3819, 3821, 3831

Folder number range 3833-3933

3833, 3836, 3838, 3843, 3919, 3920, 3921, 3931, 3933

Folder number range 3936-3983

3936, 3937, 3940, 3941, 3946, 3947, 3948, 3949, 3950, 3951, 3953, 3961,
3963, 3964, 3965, 3983

Folder number range 4035-4478

4035, 4037, 4039, 4041, 4042, 4044, 4071, 4413, 4414, 4416, 4417, 4470,
4471, 4472, 4473, 4474, 4475, 4476, 4477, 4478

Folder number range 4479-4492

4479, 4480, 4481, 4482, 4483, 4484, 4485, 4486, 4487, 4489, 4490, 4491,
4492

Folder number range 4507-F6498

4507, 4508, 4702, 4703, 4704, 4705, 4706, 4707, F6192, F6498

Folder number range 175-3788

175, 190, 222, 1234, 1520, 1610, 1872, 1926, 2153, 2443, 2449, 2565, 2886,
2965, 3781, 3788

Folder 1 includes numbers 161, 162, 1655, 3726, 3790, 3880, 3949

Folder 2 includes numbers 328, 933, 1822, 2139, 2155R, 2373, 3173

Folder 3 includes numbers 3176, 3738, 3739

Folder 4 includes numbers 36, 186, 243, 455, 497, 650, 712, 825, 963, 1202, 1456, 1870, 2243, 2812, 2926, 2936, 3304, 3795, 3797, 4702

CBR 32/1/5 Source overlays chart branch RT5, c. 1950s-2000s

Folder number range 17-991

17, 41, 214, 215, 225, 339, 377, 384, 385, 416, 440, 441, 446, 449, 480, 488, 731, 744, 745, 746, 748, 750, 751, 752, 761, 762, 764, 806, 935, 936, 951, 952, 968, 991

Folder number range 1103-1803

1103, 1107, 1109, 1244, 1382, 1436, 1469, 1494, 1570, 1575, 1576, 1577, 1581, 1603, 1638, 1660, 1670, 1674, 1682, 1741, 1750, 1775, 1779, 1801, 1802, 1803

Folder number range 1918-4634

1918, 1962, 1965, 3875, 3986, 3987, 3988, 3989, 3990, 4061, 4634

Folder number range 94-1578

94, 341, 343, 346, 626, 749, 854, 878, 937, 1016, 1058, 1251, 1254, 1255, 1257, 1259, 1260, 1261, 1262, 1270, 1457, 1459, 1555, 1558, 1578

Folder number range 2691-3998

2691, 2906, 2907, 2925, 2928, 2983, 3039, 3041, 3044, 3200, 3205, 3404, 3552, 3553, 3566, 3570, 3571, 3573, 3587, 3588, 3593, 3597, 3629, 3710, 3711, 3714, 3716, 3996, 3997, 3998

Folder number range 1808-F2583

F2517, F2518, F2519, F2583, 1808, 1813, 1871, 2505, 2506, 2507, 2508, 2512, 2513, 2514, 2526, 2527, 2543, 2545, 2546, 2547, 2550, 2553, 2560, 2561

Folder number range 4009-4621

4009, 4024, 4052, 4053, 4060, 4063, 4064, 4065, 4074, 4075, 4213, 4506, 4511, 4521, 4600, 4601, 4603, 4605, 4611, 4612, 4621

Folder number range 4601-4629

4601, 4606, 4607, 4613, 4614, 4617, 4619, 4622, 4623, 4624, 4625, 4629

Folder number range 4630-4907

4630, 4631, 4632, 4633, 4636, 4637, 4638, 4640, 4648, 4653, 4655, 4656, 4657, 4709, 4710, 4711, 4712, 4714, 4720, 4726, 4727, 4900, 4904, 4907

Folder number range AUS 4- AUS 250

AUS 14, AUS 20, AUS 27, AUS 32, AUS 58, AUS 112, AUS 114, AUS 115, AUS 117, AUS 137, AUS 154, AUS 172, AUS 199, AUS 201, AUS 207, AUS 208, AUS 237, AUS 238, AUS 244, AUS 245, AUS 246, AUS 247, AUS 250

Folder number range NZ 43-NZ 6821

NZ 43, NZ 55, NZ 61, NZ 62, NZ 63, NZ 522, NZ 531, NZ 532, NZ 541, NZ 681, NZ 827, NZ 5322, NZ 5324, NZ 5613, NZ 5712, NZ 6142, NZ 6321, NZ 6422, NZ 6612, NZ 6821

Folder number range 1602-2432

1602, 1603, 1619, 1621, 1737, 1767, 1815, 1915, 1917, 1918, 1919, 2119, 2127, 2128, 2130, 2161, 2265, 2279, 2287, 2293, 2376, 2432

Folder 1 includes numbers 1126, 3586, AUS 56, AUS 155, AUS 216, AUS 237, AUS 249, AUS 316, AUS 320, AUS 823, NZ 68, NZ 86, NZ 681, NZ 8275

CBR 32/1/6 Source overlays chart branch RT6, c. 1950s-2000s

Includes numbers 1452, 2810, 3847

CBR 32/1/7 Source overlays no identified chart branch, c. 1950s-2000s

Folder 1 includes numbers 3452, 3469, 3490, 3497

Folder 2 includes numbers 3462, 3653, 3654, 3655, 3656, 3666, 3669, 3670, 3673, 3683, 3694, 3695, 3696, 3697

Folder 3 includes numbers 3542, 3546, 3548, 3578, 3587, 3588

Folder 4 includes numbers 1349, 1406, 1408, 1504, 2182A

CBR 32/1/8 Source overlays 'folio 5600-5607', c. 1950s-2000s

Folio 5600, Folio 5601, Folio 5602, Folio 5603, Folio 5604, Folio 5605, Folio 5606, Folio 5067

CBR 32/1/9 Miscellaneous source overlays, c. 1950s-2000s

Including: 6, 14, 66, 159, 163, 164, 188, 286, 306, 333, 346, 453, 460, 497, 607, 644, 693, 707, 918, 932, 999, 1004, 1087, 1274, 1279, 1312, 1497, 1625, 1925, 1955, 1998, 1999, 2070, 2185, 2205, 2213, 2216, 2375, 2429, 2444, 2639, 2658, 2659,

2786, 2795, 2796, 2797, 2851, 2882, 2883, 2888, 2889, 2903, 2908, 2909, 2910, 2911, 2915, 2916, 2936, 2941, 2948, 2952, 2964, 2970, 2992, 2994, 3015, 3017, 3029, 3049, 3265, 3285, 3288, 3291, 3471, 3492, 3497, 3518, 3599, 3604, 3642, 3688, 3692, 3706, 3709, 3713, 3715, 3725, 3729, 3741, 3749, 3750, 3751, 3757, 3758, 3774, 3787, 3790, 3812, 3844, 3850, 3912, 3913, 3914, 3928, 3940, 3946, 3951, 3961, 3966, 4041, 4074, 4119, 4122, 4123, 4128, 4129, 4463, 4464

CBR 32/2 Catzoc [Category of Zone of Confidence] overlays, c. 1950s-2000s

CBR 32/2/1 Catzoc overlays, arranged by number, c. 1950s-2000s

Including numbers BA 18, BA 28, BA 30, BA 31, BA 32, BA 34, BA 35, BA 60, BA 105, BA 108, BA 115, BA 121, BA 128, BA 129, BA 134, BA 147, BA 148, BA 152, BA 154, BA 156, BA 175, BA 190, BA 210, BA 213, BA 222, BA 223, BA 266, BA 267, BA 268, BA 272, BA 273, BA 274, BA 278, BA 291, BA 292, BA 294, BA 295, BA 442, BA 633, BA 728, BA 733, BA 734, BA 735, BA 736, BA 737, BA 741, BA 777, BA 807, BA 808, BA 871, BA 883, BA 1076, BA 1077, BA 1078, BA 1119, BA 1136, BA 1137, BA 1148, BA 1149, BA 1152, BA 1156, BA 1160, BA 1161, BA 1164, BA 1165, BA 1166, BA 1167, BA 1168, BA 1169, BA 1176, BA 1178, BA 1182, BA 1183, BA 1187, BA 1190, BA 1191, BA 1192, BA 1200, BA 1233, BA 1234, BA 1237, BA 1320, BA 1344, BA 1346, BA 1403, BA 1407, BA 1409, BA 1410, BA 1411, BA 1413, BA 1431, BA 1438, BA 1446, BA 1462, BA 1463, BA 1464, BA 1478, BA 1481, BA 1482, BA 1484, BA 1503, BA 1504, BA 1512, BA 1540, BA 1547, BA 1548, BA 1549, BA 1552, BA 1553, BA 1607, BA 1610, BA 1630, BA 1634, BA 1652, BA 1752, BA 1753, BA 1757, BA 1765, BA 1770, BA 1772, BA 1773, BA 1777, BA 1785, BA 1790, BA 1791, BA 1794, BA 1795, BA 1819, BA 1820, BA 1826, BA 1827, BA 1828, BA 1835, BA 1859, BA 1864, BA 1866, BA 107, BA 1867, BA 1879, BA 1889, BA 1890, BA 1900, BA 1902, BA 1904, BA 1906, BA 1907, BA 1942, BA 1951, BA 1953, BA 1954, BA 1967, BA 1970, BA 1972, BA 1973, BA 1975, BA 1977, BA 1978, BA 1981, BA 1991, BA 1994, BA 2000, BA 2007, BA 2010, BA 2011, BA 2013, BA 2021, BA 2022, BA 2035, BA 2036, BA 2037, BA 2038, BA 2041, BA 2044, BA 2045, BA 2049, BA 2053, BA 2057, BA 2076, BA 2092, BA 2094, BA 2096, BA 2126, BA 2131, BA 2154, BA 2156, BA 2159, BA 2162, BA 2168, BA 2171, BA 2172, BA 2173, BA 2175, BA 2198, BA 2199, BA 2207, BA 2208, BA 2209, BA 2210, BA 2220, BA 2221, BA 2249, BA 2250, BA 2253, BA 2255, BA 2268, BA 2290, BA 2320, BA 2326, BA 2343, BA 2345, BA 2372, BA 2379, BA 2380, BA 2381, BA 2382, BA 2383, BA 2386, BA 2387, BA 2388, BA 2389, BA 2390, BA 2392, BA 2394, BA 2396, BA 2424, BA 2450, BA 2451, BA 2454, BA 2474, BA 2475, BA 2476, BA 2479, BA 2480, BA 2481, BA 2482, BA 2491, BA 2494, BA 2495, BA 2498, BA 2500, BA 2501, BA 2502, BA 2503, BA 2504, BA 2505, BA 2509, BA 2510, BA 2511, BA 2515, BA 2524, BA 2528, BA 2529, BA 2533, BA 2534, BA 2540, BA 2541, BA 2550, BA 2551, BA, 2554, BA 2562, BA 2565, BA 2568, BA 2574, BA 2575, BA 2576, BA 2579, BA 2580, BA 2581, BA 2584, BA 2610, BA 2611, BA 2615, BA 2617, BA 2625, BA 2629, BA 2631, BA 2647, BA 2652, BA 2667, BA 2675, BA 2692, BA 2696, BA 2697, BA 2702, BA 2703, BA 2704, BA 2720, BA 2721, BA 2722, BA 2723, BA 2725, BA 2767, BA 2771, BA 2789, BA 2793, BA 2798, BA 2800, BA 2802, BA 2811, BA 2841, BA 2845, BA 2878, BA 2883, BA 2905, BA 3410, BA 3146, BA 3164, BA 3271, BA 3272, BA 3273, BA 3274, BA 3275, BA 3281, BA 3282, BA 3283, BA 3284, BA 3292, BA 3294, BA 3295, BA 3297, BA 3298, BA 3299, BA 3315, BA 3319, BA 3335, BA 3337, BA 3338, BA 3418, BA 3490, BA 3653, BA 3656, BA 3741, BA 3746

CBR 32/2/2 Catzoc overlays arranged by number range, c. 1950s-2000s

Folder containing number range 99-171

99, 332, 398, 465, 466, 467, 471

Folder containing number range 254-499

254, 255, 256, 257, 258, 260, 334, 396, 454, 456, 457, 458, 462, 463, 464, 475, 481, 486, 489, 499

Folder containing number range 502-867

502, 583, 584, 585, 597, 605, 697, 797, 867

Folder containing number range 519-1273

519, 522, 527, 533, 572, 596, 791, 799, 868, 959, 1073

Folder containing number range 1139-2485

1139, 1400, 1401, 1450, 1489, 1797, 2019, 2020, 2064, 2485

Folder containing number range 1315- 3936

1315, 1452, 1573, 2016, 2065, 2687, 2988, 3111, 3907, 3908, 3912, 3913, 3914, 3935, 3936

with folders of paperwork

CBR 32/2/3 Catzoc overlays, arranged by chart branch and then number, c. 1950s-2000s

Regions RT1, RT3, RT4

Folder 1 includes numbers 115, 219, 322, 323, 1553, 1794, 1942, 2052, 2210, 2386, 2451, 2494, 2565, 2571, 2697

Folder 2 includes numbers 223, 1185, 1415, 1447, 1479, 1607, 1752, 1753, 1757, 1892, 1984, 2000, 2045, 2156, 2199, 2584, 2721, 2841, 2905, 3281, 3282, 3339

Folder 3 includes numbers 109, 1188, 1609, 1794, 1828, 1834, 1901, 1967, 2010, 2500, 2617, 2722, 2811, 3281, 3497

Folder 4 includes numbers 44, 536, 777, 849, 1178, 1237, 1320, 1351, 1607, 1794, 1826, 1883, 1892, 1904, 1953, 1975, 1991, 2010, 2171, 2652

Folder 5 includes numbers 1415, 2049, 2096, 2125, 2207, 2326, 2343, 2372, 2380, 2388, 2389, 2390, 2394, 2511, 2565, 2740, 2767, 2769, 3298

Folder 6 includes numbers 36, 177, 211, 666, 775, 776, 796, 849, 850, 851, 1590, 1613, 2812, 3338, 3490, 3683

Folder 7 includes numbers 153, 157, 453, 601, 693, 2074, 2441, 2537, 2681, 2851, 2858

CBR 32/2/4 Miscellaneous cable LNE's (Limited New Edition): 1573, 1797, 2754, 2755, 2860, 3441, 4954, 4962

CBR 32/2/5 Catzoc overlays, arranged by number, [were rolled] c. 1950s-2000s

Includes numbers 6, 7, 11, 12, 15, 16, 27, 55, 56, 63, 64, 81, 100, 159, 164, 171, 194, 233, 326, 327, 328, 333, 452, 460, 483, 542, 548, 801, 1214, 1223, 1224, 1235, 1265, 1268, 1269, 1890, 1955, 2132, 2133, 2373, 2374, 2375, 2441, 2442, 2443, 2444, 2523, 2577, 2599, 2658, 2659, 2854, 2884, 2895, 2896, 3040, 3043, 3171, 3173, 3175, 3172, 3173, 3174, 3176, 3177, 3178, 3179, 3214, 3409, 3410, 3411, 3413, 3415, 3493, 3511, 3518, 3519, 3520, 3520, 3522, 3523, 3526, 3526, 3530, 3599, 3660, 3661, 3739, 3752, 3772, 3773, 3774, 3775, 3777, 3780, 3781, 3739, 3752, 3772, 3773, 3774, 3775, 3777, 3780, 3781, 3782, 3783, 3784, 3787, 3788, 3789, 3790, 3790, 3791, 3812, 3842, 3950, 3951

CBR 33 Compilation bundles, c. 1950s-2000s

These rolls were weeded in March 2019 to remove items without comments added by UKHO staff. Numbers 1630, 2360, 2664 have been kept as examples of the work processes of the chart branches

Includes numbers 20, 45, 50, 110, 120, 122, 125, 126, 128, 140, 144, 174, 207, 281, 286, 288, 299, 355, 426, 430, 893, 894, 901, 906, 926, 931, 938, 954, 1090, 1119, 1153, 1168, 1169, 1205, 1374, 1402, 1444, 1447, 1455, 1473, 1521, 1630, 1631, 1632, 1635, 1700, 1701, 1732, 1872, 1873, 1874, 1904, 1946, 1953, 1959, 2108, 2208, 2212, 2218, 2241, 2248, 2251, 2261, 2291, 2296, 2300, 2301, 2302, 2333, 2344, 2354, 2355, 2359, 2360, 2361, 2362, 2393, 2395, 2449, 2490, 2583, 2591, 2592, 2596, 2652, 2663, 2664, 2676, 2720, 2771, 2802, 2817, 2987, 3084, 3089, 3111, 3132, 3137, 3275, 3316, 3438, 3439, 3440, 3504, 3537, 3540, 3553, 3555, 3569, 3618, 3634, 3688, 3847, 3857, 4103, 4711, 4787, 4940

CBR 34 Hydrographic Office compilation drawings, 1930s-1960s

Related records:

OCB	Record copies of Admiralty charts ('old copy bundles')
PRR	Production records

CCO **Chart Corrections Office (C.C.O.) records**

Records created and held by the Chart Corrections Office.

CCO 1 Chart corrections log, 1999

Related records:

NMR Notice to Mariners

OCB Record copies of Admiralty charts ('old copy bundles')

CCP **Catalogues of printed charts and publications**

This series contains Admiralty publications only; for foreign government and commercial producers' catalogues see **OCC**. The concept of selling Admiralty charts was raised by Captain Hurd and the first list of charts for sale published in 1821.³⁴ The 1825 edition, which is the earliest held by the UKHO, lists 643 charts or surveys and 98 views (**CCP 1/1**).³⁵

The chart catalogue for 1839 was printed 'for Her Majesty's Stationary Office'. This was the first mention of HMSO, which had been established in 1786. An important innovation was introduced in this catalogue: the numbering of charts using Arabic numbers.³⁶ As charts were not given Arabic numbers before 1839, identifying charts held in the H.O. archive that were published but cancelled or withdrawn before this date can sometimes be problematic. These charts are referred to as 'never numbered' and a working list by L Pascoe is held in the Archive library section on the open shelves.

The 1905 catalogue gave charts a second, 'new', number in parenthesis, running consecutively from 1 to 3,437 through the navigational charts. There had been a similar numbering scheme (or system) in place five years previously, and on both occasions the gigantic task of any renumbering presumably proved too formidable. When a chart was cancelled the number was re-used for a new chart, perhaps of another area, after a period of five years. This had been the practice for some fifty years.³⁷ Chart numbering should be viewed with caution as there are some anomalies.

In 1909 the published chart catalogue was completely recompiled with more detailed information, and photographic reductions of the A to V index charts, made at the Ordnance Survey office, were

³⁴ Webb, A.J. *'The Expansion of British Naval Hydrographic Administration 1808-1829'* (PhD thesis, Exeter, 2010)

³⁵ Morris, *Charts and Surveys in Peace and War*, p.10.

³⁶ Day, *The Admiralty Hydrographic Service*, pp.50-51.

³⁷ Day, *The Admiralty Hydrographic Service*, p.216.

included.³⁸ These index charts show the geographical limits covered by the charts advertised for sale in the catalogues.

In 1962 the chart catalogue was given the Nautical Publication code NP 131.

The Archive does not hold the earliest catalogue or any supplements issued before 1825. The catalogues that are held were microfilmed in the 1990s and copies were sent to all major libraries and T.N.A.. In the 2010s selected catalogues were digitised and made available through the UKHO's website. The catalogues can be used to identify chart numbers in the **OCB** collection (for more information see **OCB** Record copies of Admiralty charts ('old copy bundles')).

At the end of the First World War a technical report was written detailing all the Fleet charts produced during the conflict. This technical history has been digitised and is available on request. Printed Fleet charts are normally classified until they are fifty years old and not available to the public until they are declassified.

For a history of chart sales and the earliest catalogues during the period 1808 to 1829 see Adrian Webb's PhD thesis *The Expansion of British Naval Hydrographic Administration 1808-1829* (Exeter, 2010), available from the University of Exeter website.

CCP 1	Catalogues of Admiralty charts, 1825-2016
CCP 2	Catalogues of Admiralty Fleet charts, 1903-present [2019]
CCP 2/1	Catalogues of Admiralty Fleet charts, HD303, NP229, NP111 1903-present [2019]
CCP 2/2	Supplements to HD303 Catalogues of Admiralty Fleet charts, 1940-1944
CCP 2/3	HD303a Index to Admiralty Fleet charts, semi-confidential charts and miscellaneous charts, 1941
CCP 2/4	HD303b Catalogues of Gridded charts including indexes, 1943
CCP 2/5	HD336 Catalogues of most secret charts, 1940-1945
CCP 2/6	HD336 supplements to Catalogues of most secret charts, 1940-1941
CCP 2/7	HD336a List of chart maps and beach chartlets, 1944
CCP 2/8	HD342 List of outline and wall charts, 1940-1945

³⁸ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.59.

CCP 2/9 Other listings of Admiralty Fleet charts not assigned HD numbers, 1939-1945

CCP 3 Catalogue of new and withdrawn publications, c. 1904-1932

CCP 4 Index to Beach Gradient Diagrams, 1944

CCP 5 Graphical indexes to published Admiralty charts, 1875-1895

Related records:

NPR	Nautical publications records
OCB	Record copies of Admiralty charts ('old copy bundles')
OCC	Other printed chart catalogues (non UKHO)

CIB Chart Issues Branch records

The title of Chart Issues Branch was first used in 1888. The H.O.'s main objective had been to provide its own sailing directions for the Royal Navy since 1798 and charts since 1800.

An innovation in the issue of charts came about during Hurd's time as Hydrographer in 1809. He implemented the proposals of the Chart Committee, including issuing charts and publications to ships of the Fleet arranged by station.³⁹ A ship serving on a particular station was supplied only with charts for that geographical area, thus reducing the number they needed to carry. At the same time this assured that ships only carried 'officially sanctioned' charts that had been approved for use by hydrographic specialists.

By 1825 the boxes that had held printed charts had been abandoned for stiff marbled covers and charts were sold either as a series in these folios, or separately. Chart sales were through agents. In 1860 the Stationary Office took over responsibility for the sale of charts, but within a few months had returned the task to the Department, where it has remained ever since.⁴⁰

This system of boxes was replaced by chart folios and records in this collection include lists of the contents and amendments to those folios since 1863. It is therefore possible to use these lists to show what charts were available to naval vessels on a particular station. Before this date the chart catalogues (in the **CCP** collection) should be consulted and records in the **MLP** series.

³⁹ Webb, A.J. *The Expansion of British Naval Hydrographic Administration 1808-1829* (PhD thesis, Exeter, 2010)

⁴⁰ Morris, *Charts and Surveys in Peace and War*, p.14.

In the early nineteenth century, as well as issuing charts the Department became involved in chart sales. In 1816 the Hydrographer, Hurd, proposed a plan to help increase revenue for the Department. After a plate had been engraved and a sufficient number of charts struck off it for Naval uses, the remaining impressions were sold at a moderate price for the benefit of the trading interest. This was agreed to by the Board in 1819 and the first sales were made in 1821.⁴¹

In 1939, Potters became an agent rather than, as it had been for many years, the sole agent for Admiralty charts and publications, and a small sales staff from the Department operated from the Vine Street premises until evacuation to Bath in September following the outbreak of war. In June 1941 Sales, along with Production and Supplies moved to Creechbarrow House at Taunton.⁴²

In July 1942 the post of Superintendent of Sales was abolished and the Superintendent of Issues became responsible for sales as well as for issues to the Fleet.⁴³

After the First World War the Department had attempted to impose an overreaching system of chart distribution on the commercial market, effectively cutting out traditional agents. This mistake was not repeated after the Second World War and as early as July 1944 meetings were held with the British Nautical Instrument Trade Association to discuss ways in which Admiralty charts and publications would be marketed when peace returned. The system which had evolved after the withdrawal of direct supply from the Admiralty to ships in 1921, of a world-wide chain of agents selling charts and publications with a trade discount to them was reinstated.⁴⁴

- CIB 1** Ships' folio lists, 1863-1931
- CIB 2** Chart accounts, 1882-1911
- CIB 3** Papers relating to the Chronometer Section and sales of Admiralty charts, c. 1938-1984
- CIB 4** Chart Folio 82: Western North Atlantic Ocean including Bermuda, 1959

Related records:

- CCP** Catalogues of printed charts and publications

⁴¹ Morris, *Charts and Surveys in Peace and War*, p.8.

⁴² Morris, *Charts and Surveys in Peace and War*, pp.80 and 118.

⁴³ Morris, *Charts and Surveys in Peace and War*, p.118.

⁴⁴ Morris, *Charts and Surveys in Peace and War*, p.157.

CMU **Chart Maintenance Unit records**

From 1809 Dockyard storekeepers were responsible for managing the supply of charts, but how regularly they corrected them by hand is unclear. A detailed record of boxes received at Portsmouth survives at the National Maritime Museum, Greenwich.⁴⁵ Chart Maintenance units were established in the 1930s to keep stocks of charts corrected at the main naval bases.⁴⁶ The records of these units which survive in the Archive are only examples of how charts were corrected. The units were closed in the 2010s and replaced by digital print on demand and electronic charts that did not require updating by hand. Some information relating to the operation of these units can be found in the registered file series.

CMU 1 Examples of chart corrections applied at Chart Maintenance units, 1990s-c. 2010s

Related records:

HA Registered files

COD **Catalogues of original documents**

These catalogues reflect the work of the curator's office. The first person to undertake any curatorial duties was Alexander Dalrymple who was appointed in 1795 to sort through all the plans and other records that had accumulated over the years. A list of commercially published charts from this period that were in the H.O.'s archive, written by Dalrymple, has survived⁴⁷. However, there appears to have been no systematic organisation and referencing scheme in place, therefore in 1823 Lieutenant A.B. Becher was appointed as the first naval assistant to catalogue the records held in the H.O. (within the Admiralty).⁴⁸ He was confronted with at least nine thousand documents, none of which were numbered, and about three thousand Remark Books 'all lying in a disordered state in heaps, without any geographical order of arrangement, and filthy with dust.'⁴⁹

From 1826 onwards when surveys were received they were given a unique reference number and a date of receipt was recorded in the survey ledger. In addition to this any pre-1823 surveys already held within the Admiralty that were found in and after 1823 were catalogued by Becher often show

⁴⁵ Webb, A.J. *'The Expansion of British Naval Hydrographic Administration 1808-1829'* (PhD thesis, Exeter, 2010)

⁴⁶ Ex inf Dr Adrian Webb, Aug 2016 and **MLP 113**.

⁴⁷ Dalrymple Survey of Commercial Charts, available from UKHO archive staff.

⁴⁸ Webb, A.J. *'The Expansion of British Naval Hydrographic Administration 1808-1829'* (PhD thesis, Exeter, 2010)

⁴⁹ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.11.

no indication when they had been received or executed. Never numbered published Admiralty charts may be traced through a series of specialised quasi-catalogues which tackle the non-numbered and withdrawn charts prior to 1826, although these volumes are not necessarily complete.⁵⁰

Becher started cataloguing by allocating charts and surveys (indiscriminately) in no particular order numbers starting at 1. When he got to 999 he realised he could go on past 10,000, which could lead to the possible misreading of numbers. He therefore adopted an alphanumerical system starting at a1 through to a99, then b1 to b99, and so on. He then used a capital letter prefix A1 to A99, B1 to B99, and also extended the numbers to A999 and B999. The system also involved physically relocating many documents onto shelves relative to areas of the world, so that America was A, Asia B, Africa C, Europe D, Polynesia E, Australia F and world maps and charts G. The divisions were then geographically subdivided and given the letters Aa, Ab, Ba, Bb etc and the related documents placed on similarly marked shelves. Where documents overflowed one shelf additional shelves were consecutively numbered, e.g. West Indies had six shelves Ag1 to Ag6. The East Indies also had six shelves Ba1 to Ba6.⁵¹ These catalogued records became known as “original documents” or “ODs” and should not be confused with the “OD” series used by the HO Sailing Directions Branch.

Becher’s first list, or inventory, was recorded in a single volume now known as Book A (**COD 1/1**). Subsequent ledgers were numbered from 1 to 11 and referred to as Book 1, etc. Photocopies of all the ledgers are available in the Research Room.⁵² By 1829 Becher had put in place an efficient system that remained virtually unchanged in principle for 180 years when the “original documents” were arranged into alpha-numeric order.⁵³

As documents were no longer required, or could no longer be located, the relevant entry in the ledger was subsequently crossed out in red ink. A very small proportion of these documents have survived amongst the records of the Admiralty Library housed in the Historic Dockyard, Portsmouth. These are mainly for the nineteenth century or earlier and are currently being catalogued at Portsmouth. Copies of some of the items from this collection are held in micrograph format in the Research Room.⁵⁴ Some post Becher records were found in the Chart Branches in 2011 and returned to their original sequence, even though their existence had been expunged for the accession ledgers some years ago.

Charts and surveys recorded in the survey ledgers are indexed in two ways: a series of index charts showing the limits of geographical coverage, and in a series of geographical ledgers. Both are divided up into three time periods (pre 1930, 1930-1979 and 1980-c. 2006). All of these index charts have

⁵⁰ A.J. Webb, *Charting Procedures and Standards, Volume 3, Section 1, Identifying and Retrieving Source Data*, (unpublished, 2013), section 0003.4.

⁵¹ ‘Abbreviations found in the survey ledgers, 1826-present’ available from archive staff

⁵² Webb, *Charting Procedures and Standards*, section 0003.1.

⁵³ A.J. Webb, *The Expansion of British Naval Hydrographic Administration 1808-1829*, (PhD thesis, Exeter, 2010), p.141.

⁵⁴ Webb, *Charting Procedures and Standards*, section 0003.1.

been scanned into the Source Data Receipt and Acquisition System (SDRA). From January 2009 the analogue ledgers and indexes were no longer maintained. It should be noted that prior to 1850 many of the original documents are not shown on the indexes but are included in the geographical ledgers. This is particularly the case for areas outside of Home Waters and UK dependencies, most notably Canada and the USA. To supplement this deficiency a *Supplement to geographical index North and South America, West Indies and Polar Regions for items relating to Canadian and adjacent waters recorded up to 1850 and held in the Hydrographic Office*, Taunton (Taunton, 1993) by Lt-Cdr A.C.F. David RN is available in the Research Room.⁵⁵

In 1862 the original documents numbered over twenty thousand. By 1864 there were over thirty thousand and by the 1930s the collection amounted to some half a million sheets.⁵⁶ It was in 1865 when Commander Davis took over from Becher, that the title of 'Curator' was instituted.⁵⁷

Under the curatorship of A Gibson from 1877 there was a great reduction in the number of documents held, probably largely due to the continuous problem of lack of space. Some major policy decision must have been made by the Hydrographer but to date no documentation on this has been sighted.⁵⁸ This was a highly lamentable decision that has left a significant gap in the HO's records.

In 1911 the original documents were recorded as being housed in the sub-basement [London?],⁵⁹ which is partly the cause of so much dirt visible on records held in the archive prior to this date.⁶⁰ Following moves to Cornwall House in 1924, the Royal School Bath in 1939 and Ensleigh in 1941, there was little improvement to these conditions over the following decades and by the late 1940s the records were kept in the damp, poorly ventilated cellars at the Admiralty building in Cricklewood.⁶¹

In 1958 the Public Record Act was passed, which required departments that held public records to afford the public adequate access as in the Public Record Office (PRO) itself. Since the establishment of the PRO in 1856, the Hydrographer had stressed the necessity for keeping the records within the Department and the case that the retention of the survey charts and records were necessary for the day-to-day working of his office was stated again in 1958.⁶² Due to the nature of marine charting there is still, in 2017, a daily call on records from the nineteenth century in order for the HO to meet its SOLAS and other obligations.⁶³

⁵⁵ Webb, *Charting Procedures and Standards*, section 0003.2.

⁵⁶ Day, *The Admiralty Hydrographic Service*, pp.74 and 87 and Morris, *Charts and Surveys in Peace and War*, p.80.

⁵⁷ Day, *The Admiralty Hydrographic Service*, 345-6.

⁵⁸ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.42.

⁵⁹ Day, *The Admiralty Hydrographic Service*, p.224.

⁶⁰ Ex inf Mr D. Saunders, 2017.

⁶¹ Morris, *Charts and Surveys in Peace and War*, p.153.

⁶² Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, pp.34 and 82.

⁶³ Ex inf Dr A. Webb, 2017.

In 1968, all staff from Cricklewood and the Archives were relocated to the Taunton site. There was a structural reorganisation at the time of the move and the Archives became the responsibility of one of the seven Marine Science branches established within Chart Branch.⁶⁴ The new building took into account plans which had been in place from 1964 to provide adequate and permanent accommodation for the Curator and the records, ensuring appropriate temperature and humidity controls.⁶⁵ Facilities were also made for the restoration and repair of old originals and a repair staff was trained.⁶⁶

A card system was introduced in the 1970s to record the movements of documents in the Archive (including charts and surveys), but unfortunately these cards were destroyed in the 1990s.⁶⁷ In 2006 the Source Data Receipt and Acquisition System (SDRA) was introduced and documents were recorded in the analogue ledgers in tandem with the newly scanned records until December 2008 when the ledgers were formally superseded.⁶⁸

In the 1990s the Archive came under the Hydrographic Data Centre. The last Curator of Original Documents, Mr J.K. Atherton was replaced by a Data Centre Manager. In 2015 the Archive changed from the National Hydrographer to Corporate Services directorate.⁶⁹

From 2006 all new and non-Defence records were processed by the SDRA and in 2016 paper versions of source data (mainly foreign government charts) were no longer sent to the Archive for storage.⁷⁰ The introduction of a formal accessions process and Microsoft SharePoint provided a more robust system for recording archival information.

COD 1	Accession ledger of documents received, 1826-2008
COD 2	Geographical indexes to original documents, 1826-2009
COD 3	Register of Documents Issued, 1845-1854
COD 4	Registers of Archival Locations, 1945-1968, 1985-1988
COD 5	CB Form Register Sheets, 1981-1999
COD 6	Research request forms, 2003-present [2019]
COD 7	Registers of view albums, c. 1920-c. 2000
COD 8	Catalogue of historic manuscripts, remark books, etc, 1974

⁶⁴ Morris, *Charts and Surveys in Peace and War*, p.213.

⁶⁵ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.85.

⁶⁶ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.87.

⁶⁷ Information from Colin Lewis, Archives Officer, August 2016.

⁶⁸ Webb, *Charting Procedures and Standards*, section 0003.1.

⁶⁹ Information from Dr Adrian Webb, Head of Archives Services, August 2016.

⁷⁰ Information from Dr Adrian Webb, Head of Archives Services, August 2016.

COD 9	List of data books compiled by Archive staff, c. 1945-2017
COD 10	Catalogue of ships' remark books, c. 2000-c. 2015
COD 11	Curator's working papers, c. 1950s-2016
COD 12	OCB copy bundle indexes, 2000s-2015
COD 13	Historical records of published Admiralty charts
COD 14	Classified Documentation, 1971-1998
COD 15	Hydrographic Publications, 1831-1992
COD 16	Catalogues and lists of Fleet charts and publications, 1903-1983
COD 17	Lake Nyasa charts, 1950s-1960s
COD 18	Index to HH files, undated [20 th century]
COD 19	Record card of Royal Navy survey ships and contract surveys recording types of records sent to the hydrographic office, c. 1962-1990
COD 20	Fleet chart index, 1950s

CON Conservation records

Records of conservation work in the Archives overseen by the Curator. Before the appointment of a dedicated conservator there is evidence that documents were being repaired. UKHO Conservators include Tom Hopper 1940s to 1980, Tim Gabler 1972 to 2008, Mandy Martins 1980 to 1986, Rachel Marsh 2005 to 2014 and Andy White 2014 to present [2019].

Before 1974 when Mr Gabler took over Conservation there was no system for recording repairs. The paper volumes were superseded by detailed digital records created by Andy White in 2015.

CON 1	Record of documents received for conservation, 1987-1994
CON 2	Repair registers, 1974-1990s

CPY **Copies of records**

Surrogate copies of records and significant holdings held in the Archive and elsewhere, have been made by the Archive or other departments for various purposes over the years. These are mainly 35mm film copies of charts and surveys, but microfiche copies of other records also exist. The “Admiralty Collection” prints also form part of this class. Copies of key publications regarding the history of the Hydrographic Office also make up this series. The records in this collection date from the Second World War to the present [2019].

CPY 1	Glass plates and film stills, c. 1939-1945
CPY 2	Admiralty collection
CPY 3	Publications
CPY 4	Surveys
CPY 5	Slides
CPY 6	Catalogues and indexes
CPY 7	Records related to the Hydrographic Office held in other repositories
CPY 8	Admiralty Library books and records
CPY 9	Admiralty charts held in the OCB series

CRB **Composite Remark Books**

Royal Navy ships in commission, whilst on deployment, were required to record navigational and strategic information. This started in the 1750s; see **MP** series for further information. Some volumes also contain letters, coastal views and simple drawings of surveys. This series of composite remark books are individual volumes bound together into epochs.

This is a continuation of the **MP** Miscellaneous Papers (Remark Books) series. From 1834-1839 there is considerable overlap between this series and **MP**.

CRB	Composite Remark Books, 1834-1861
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Related records:

COD 10/2	Catalogue of Composite Remark Books
IRB	Individual Remark Books
MP	Miscellaneous Papers (Remark Books)

CTR Contracts Branch records

Records created and held by Contracts Branch. From c. 2000 contractual records were included in the registered file series (HA). From c.2015 all contracts were only stored electronically.

CTR 1 Sample of supplementary contracts records, c. 2000

Related records:

HA files

DIS Displays created by the Archive and other departments

These are collections of research materials and displays mainly created and assembled by Archives staff for specific exhibition purposes. The displays were mainly created after 2010, although some (such as **DIS 13-15**) are earlier in date.

- DIS 1** Indonesia charting, c. 2015
- DIS 2** Archaeology, historic and antiquity, undated [c. 2010s]
- DIS 3** Captain James Cook RN, undated [c. 2010s]
- DIS 4** Learning at work 2011: technology, undated [c. 2010s]
- DIS 5** HMS *Erebus* and HMS *Terror*, undated [c. 2010s]
- DIS 6** Trafalgar Day and Lord Horatio Nelson, undated [c. 2010s]
- DIS 7** World War One hydrography, undated [c. 2010s]
- DIS 8** "May Corry Be Damned" chart, undated [c. 2010s]
- DIS 9** Rear Admiral 'Steve' Ritchie RN, undated [c. 2010s]
- DIS 10** Portsmouth and the *Mary Rose*, undated [c. 2010s]
- DIS 11** Falklands conflict, c. 2010
- DIS 12** Longitude, Chronometers and the British Hydrographic Office, 1675-1855, undated [c.2010s]
- DIS 13** Tracks of HMS *Challenger*, 1873-1876, c. 1952
- DIS 14** Tracks of Captain James Cook's voyages: *Endeavour* 1768-1771 and *Resolution* 1772-1775 and 1776-1780, c. 1957

- DIS 15** Original drawing showing how tidal observations were made at sea 1840, with modern typed description and extract of a tidal chart, c. 1960
- DIS 16** William Bligh Display, 2017
- DIS 17** World Hydrography Day display, 2017
- DIS 18** Recipients of the Alexander Dalrymple Award, undated [2010s]
- DIS 19** World Hydrography Day: 100th Anniversary of the Royal Air Force 1918-2018 (Schneider Trophy) and 430th Anniversary of the Spanish Armada 1588-2018, Jun 2018
- DIS 20** International Display material, undated [2010s]
- DIS 21** Lusitania display, undated [2010s]
- DIS 22** Duplicate chart number NZ 7612 of Duskey and Breaksea Sounds, New Zealand, 1773, 1995, undated [c. 2010s]
- DIS 23** Duplicate charts, 19th century, undated [c. 2010s]

DVY **Discovery Committee records**

The Discovery Committee was a popular name for the Interdepartmental Committee for the Dependencies of the Falkland Islands. It was established by the British Government in 1923 to carry out scientific investigations (which became known as 'Discovery Investigations') and to propose nature resource conservation and economic development policies for the Falkland Islands Dependencies. During more than twenty-five years (1925–1951) of pioneering work, the Committee's research ships *Discovery*, *William Scoresby* and *Discovery II* collected an enormous amount of oceanographic, biological, and geographical data published in thirty-eight volumes (which are not held at the HO) contributing greatly to the knowledge of the world's southern regions. Particularly extensive was the new data related to all aspects of the island of South Georgia. Among the results of the investigations was also the discovery of the natural boundary of Antarctica, the Antarctic Convergence.⁷¹

Other records may also be found in the registered files series (**H**) and the **OD** Original Document series.

⁷¹ Wikipedia, 'Discovery Committee', <https://en.wikipedia.org/wiki/Discovery_Committee> (viewed on 24/08/2016).

DVY 1 Minutes, 1927-1932

DVY 2 Miscellaneous papers, 1922-1932

Related records:

OD Original documents

H Registered files

EPR **Electronic Navigational Charts production records**

Electronic navigational charts, or ENCs, were first issued in the 1990s. The records in this collection mainly date from the 2000s.

EPR 1 Electronic navigational charts, arranged by cells, c. 2000s

FNR **Finance records**

Records created and held by the Finance department. Detailed records of expenditure (from 1795) and income (from 1821) were weeded out and destroyed prior to 1974, apart from a few survivals. Some financial information can be found in the Hydrographer's Annual Reports, registered files, MLP series and Parliamentary papers. The records in this series are only examples of different types of financial records kept to show the type of information that has been destroyed.

FNR 1 Sample finance records, 1990s-2010

GDY **Geodesy records**

Geodesy is the science of accurately measuring and understanding the Earth's geometric shape, orientation in space, and gravity field. From the establishment of the Department positional information was essential. The science of measuring the Earth's shape is represented in the **SFD** series from c. 1800 – 1950, and **GDY 5** in manuscript, with a larger proportion in **GDY 1**.

In 1968 all staff from Cricklewood relocated to the Taunton site. At the same time there was an organisational restructuring and Geodesy became the responsibility of one of the seven Marine Science Branches established within Chart Branch.⁷² In 2016 the section dealing with geodetic matters became part of the Scientific Analysis Group.

GDY 1	Library, 19 th century – 20 th century
GDY 2	Geodetic reports and data, 1930s-2000s
GDY 3	Ordnance Survey descriptions of stations, 1960s-2000s
GDY 4	HMS <i>Endurance</i> geodetic records, c. 1948-1994
GDY 5	Geographical positions data, early 19 th century - late 20 th century
GDY 6	Indexes of geographical positions, late 19 th century - late 20 th century
GDY 7	Astronomical and geographical positions atlases, late 20 th century
GDY 8	Working records, 2000
GDY 9	Geodetic information arranged by chart number, 1990-2005

GEB GEBCO (General Bathymetric Chart of the Oceans) records

The General Bathymetric Chart of the Oceans (GEBCO) consists of an international group of experts in ocean mapping, who develop and make available a range of bathymetric data sets and data products.

GEBCO is involved in creating and making available data sets and maps showing the shape of the seafloor. Rather than being a flat and featureless plain, the seafloor consists of deep basins, vast mountain chains and long ocean trenches. This landscape helps steer ocean currents that in turn affect climate, and influences hazards facing coastal communities like approaching tsunamis.⁷³

GEB 1	Plotting sheets of General Bathymetric Chart of the Oceans, tracks 001-522, soundings C001-8416 also known as Red 'C's', 'C' track plots C039-C567, sounding sheets 016-454, 484-518, C039-C568, c. 1970s-1980s
GEB 2	Red 'C' track sheets, c. 1970s-1980s

⁷² Morris, *Charts and Surveys in Peace and War*, p.213.
⁷³ https://www.gebco.net/about_us/, accessed 15 Feb 2019

- GEB 3** Number only sounding sheets, c. 1970s-1980s
- GEB 4** Number only track sheets, c. 1970s-1980s
- GEB 5** GEBCO plotting sheets, 1980s-1990s
- GEB 5/1** GEBCO plotting sheets - Australia, 1980s-1990s
- GEB 5/2** GEBCO plotting sheets - Canada, 1980s-1990s
- GEB 5/3** GEBCO plotting sheets - Chile, 1980s-1990s
- GEB 5/4** GEBCO plotting sheets - France, 1980s-1990s
- GEB 5/5** GEBCO plotting sheets - Germany, 1980s-1990s
- GEB 5/6** GEBCO plotting sheets - Indonesia, 1980s-1990s
- GEB 5/7** GEBCO plotting sheets - Japan, 1980s-1990s
- GEB 5/8** GEBCO plotting sheets - Netherlands, 1980s-1990s
- GEB 5/9** GEBCO plotting sheets - New Zealand, 1980s-1990s
- GEB 5/10** GEBCO plotting sheets - Philippines, 1980s-1990s
- GEB 5/11** GEBCO plotting sheets - South Africa, 1980s-1990s
- GEB 5/12** GEBCO plotting sheets - Turkey, 1980s-1990s
- GEB 5/13** GEBCO plotting sheets - United States of America, 1980s-1990s
- GEB 5/14** GEBCO plotting sheets - Mediterranean, 1980s-1990s
- GEB 5/15** GEBCO plotting sheets - South America, 1980s-1990s

HD Registered Files 'HD' Papers

These papers comprise inter-departmental dockets with minutes and correspondence between the Hydrographic Department and other Admiralty and government departments. They form a continuation of **MB** Minute Book series. Their content is varied and includes:

- Reports of vessel collisions / subsequent damage
- Loss of vessels
- Release of staff from HD to join the colours
- Proposals for pay increases (Hydrographic and Naval staff)
- Recruitment of female clerks / draughtswomen
- Loss of equipment *i.e.*: Hack watches and chronometers

- Reports of vessels grounding
- Salvage services provided
- Changes to regulations regarding navigational lights
- Loss of life at sea

Since 1922 inter-departmental dockets raised in the department have been filed in the appropriate registered file. Each docket has a reference number followed by the last two digits of the year the docket was created e.g. 1234/19.

HD Papers have been indexed in **IMB** Indexes to Minute Books. These indexes are arranged alphabetically by subject. Sometimes officers' surnames, ships' names and geographical areas are also indexed.

These records are listed in The National Archives' Discovery catalogue as ADM 347, but are not held by TNA. They remain at UKHO. A calendar of surviving dockets in this is being compiled [2019].

Please note: HD Papers should not be confused with **HTP 7** HD Publications.

HD Registered Files HD Papers, c. 1913-1922

Related records:

IMB Indexes to Minute Books

MB Minute Books

HIG **Hydrographic instruction graphics**

These are graphics showing the limits of areas to be surveyed. During the period these records cover, these graphics were prepared by Chart Branch staff. Written instructions to accompany the graphics can be found in registered files and the reports of survey series (**SFD 16**). From c. 2010 written and graphical instructions were only produced electronically.

HIG 1 Graphics, c. 1970-c. 2010

HOL**Hydrographic Office library**

The Hydrographer was once responsible for the Admiralty Library. The earliest known record of the library was in July 1828 when Parry was authorised to accept and keep books presented by George IV.⁷⁴ In 1860 the Hydrographer explained to the chief clerk how purchases were made on the authority of Board members, the Secretary, or chief clerk, and by the Hydrographer, who needed books of voyages for writing sailing directions. Books were obtained through the Admiralty chart-agent at twenty-five per cent below cost price.⁷⁵

Wharton was unsuccessful in his attempts to have a successor appointed for a copyist who had begun an index of library books. Little progress in the organisation of the library had been made by 1898 when the Hydrographer proposed monthly lists of additions and eventually a new catalogue to replace that of 1875. At that date, the Hydrographer also recorded that hope had been abandoned of moving the library into proper accommodation in the new building.⁷⁶ However, in 1908 an official librarian was appointed and the Hydrographer handed over to the library several valuable books, such as Cook's Voyages, which had been kept in the Chief Civil Assistant's room for want of a better place.⁷⁷

The library grew so large that much of the older material formed the Admiralty Library (which is now held in Portsmouth). Books retained by the Department went into different office libraries, the largest of which was the Chart Branch Library. When this was dispersed, a library containing all sorts of subject matter was maintained until c. 2003. A review of the books was undertaken and those of value were passed to the Archive.⁷⁸ A title list was prepared by Archive staff and is available on request.

Other libraries within the Hydrographic Office include: The Research Room Library created in 1999 for improved access to departmental records and historical information; Geodesy library that was transferred to the archive in 2012; HMNAO library transferred in 2008; Law of the Sea transferred in 2019; Wrecks Office transferred in 2017. Items from the Chart Branch library can be found in all of the other sub libraries.

HOL 1**Former main library books**

⁷⁴ Day, *The Admiralty Hydrographic Service*, p.75.

⁷⁵ Day, *The Admiralty Hydrographic Service*, p.74.

⁷⁶ Day, *The Admiralty Hydrographic Service*, p.136.

⁷⁷ Day, *The Admiralty Hydrographic Service*, pp.223-224.

⁷⁸ Ex inf from Dr Adrian Webb, Aug 2016.

HOO **Hydrographic Office orders to ships**

These orders (or instructions) are an anomaly in record keeping. From 1795 orders can be found at The National Archives in ADM2. This soon changed when the Hydrographer took upon himself a greater level of responsibility for approving appointments of officers and directing surveying voyages. The records he retained are in different series, mainly the letter books (**LB**), minute books (**MB**), surveyors' letter books (**SLB**) and registered files (**H**). Further instructions were often issued by letter and appear in the records many months after a ship, or officer, was first deployed.

HOO 1 Surveying ships' orders, 1926-1949

HOO 2 Surveying ships' orders, 1945-1966

HOP **Hydrographic Office pictures**

These are pictures, including paintings and photographs, of subjects connected with the Hydrographic Office. It has not been possible to determine where in the organisation they were created or who they belonged to and as such they have been placed together in this collection. When they are catalogued in further detail it may be necessary to transfer some items to other collections.

- HOP 1** Buildings, c. 1960
- HOP 2** Staff, c. 1939-2000s
- HOP 3** Hydrographers, 1795- present [2019]
- HOP 4** Ships, 1960s
- HOP 5** Other portraits, c. 1770s-c. 1830s
- HOP 6** Other, 1936-1960s
- HOP 7** Mixed collections, 1940s-c. 2003

Related records:

- OAW** Original artwork
- OCG** Official corporate gifts
- SFD** Survey field data
- SPD** Ships' plans and diagrams
- UHR** Unofficial Hydrographic records

HOR **Hydrographic Office reports**

This collection comprises reports compiled by the Hydrographic Office, both published and unpublished. Some of the earliest reports on the organisation of the office and the state of World charting were prepared in the 1820s. There can be found in the **MLP** series.

Annual reports, which are included within **HOR 2**, are a major source of information on the activities of the Department from 1879. During Douglas' time as Hydrographer, between 1924 and 1932, an extremely abbreviated format was introduced, making the report little more than a list of the ships in commission and a table of their surveying achievements. Under Collins in the 1950s, the reports once again became an interesting and informative document. In the following decade Irving continued and further developed the more informative style of report.⁷⁹

HOR 1	Unpublished reports, 1910s-1939
HOR 2	Hydrographer's annual published reports, 1879-present [2019]
HOR 3	Other one-off reports, c. 1920-1980s
HOR 4	Annual reports by the Hydrographic Service, 1985-1999
HOR 5	Reports by other bodies, associated with the Hydrographic Office, 1865-1937

HRR **Human Resources records**

The letter book, minute book and registered files series contain information on former members of staff [some information is closed]. Current information is held by the Human Resources branch.

A specific series of registers relating to Royal Naval hydrographic surveyors can be found in **MLP**; these series, which were transcribed by Lt-Cdr R. Wilson RN., is available on request.

⁷⁹ Morris, *Charts and Surveys in Peace and War*, pp.15, 28, 143 and 200.

HTP**Hydrographic Office technical publications**

This collection comprises a variety of technical papers prepared and sometimes published by the Hydrographic Office.

HTP 7 is a collection of record copies of a series of booklets called Hydrographic Department Publications numbered consecutively from 1 and given the prefix HD. Some of these publications were put on sale but most were for internal use in the Hydrographic Department, or for issue to the Fleet as part of their complement of nautical publications. Many of the earlier publications are possibly unique single survival copies and are unlikely to be held elsewhere. The subjects covered by the publications vary significantly from documents concerning currents, tides, soundings, observations and instructions on surveying, to name a few.⁸⁰ There is an electronic listing of HD publications, with dates of publication and any additional notes and former reference numbers.

Note that **HTP 2** is not a complete series, but the missing editions might be held in **HTP 7**.

HTP 1	Professional papers, 1947-1990
HTP 2	Marine Science, c. 1950-c. 2000
HTP 3	Technical, c. 1950-c. 2000
HTP 4	Work Study Unit, c. 1950-c. 2000
HTP 5	Lectures, 1967-1971
HTP 6	Other technical papers, c. 1950-c. 2000
HTP 7	'HD' numbered series of publications, 1833-c. 1989
HTP 8	'MO' numbered series of publications, 1891-c. 1975
HTP 9	'MOM' numbered series of publications, 1940s
HTP 10	'MOM Misc' numbered series of publications, 1940s

⁸⁰ E. Down, *Guide to the UKHO Archive*, (unpublished, 2014).

ICT Information Communication Technology Services records

Records created and held by the UKHO's Information Communication Technology Services department. These records are managed by ICTS and are regularly reviewed and weeded.

ICT 1 Software licences and CDs, c. 1990-c .2010s

IHO International Hydrographic Organization (IHO) records

The International Hydrographic Organization (IHO) is an intergovernmental consultative and technical organization that was established in 1921 to support safety of navigation and the protection of the marine environment. For the British Hydrographic Office's involvement in international matters see Cook's article⁸¹ and Webb's thesis⁸².

International cooperation in the field of hydrography in the form of 'conferences' began with a conference held in Washington in 1899, followed by two others in Saint Petersburg, in 1908 and 1912. In 1919, 24 nations met in London for a Hydrographic Conference, during which it was decided that a permanent body should be created. The resulting International Hydrographic Bureau (IHB) began its activity in 1921 with 19 member states. In 1970, an intergovernmental convention entered into force which changed the Organization's name and legal status, creating the IHO, with its headquarters (the IHB) permanently established in Monaco. The Organization currently has a membership of 85 maritime States, with several others in the process of becoming members.⁸³ The records held at the UKHO listed below are annotated letters and publications issued by the IHO.

IHO 1 Circular letters, 1968-2001

IHO 2 Conference circular letters, 1919

IHO 3 Information papers, 1981-1989

IHO 4 The International Hydrographic Review, 1923-2008

IHO 5 Limits of oceans and seas, 1928-1953

⁸¹ Cook, A.S. 'The Publication of British Admiralty Charts for British Columbia in the Nineteenth Century', in *Charting Northern Waters* (Canada, 2004).

⁸² Webb, A.J. 'The Expansion of British Naval Hydrographic Administration 1808-1829' (PhD thesis, Exeter, 2010).

⁸³ Wikipedia, 'International Hydrographic Organization', <https://en.wikipedia.org/wiki/International_Hydrographic_Organization> (viewed on 24/08/2016).

IHO 6	IHO Yearbooks, 1970-1995
IHO 7	Conference proceedings, 1919-1962
IHO 8	Repertory of the Technical Resolutions and Supplements, 1930-1971
IHO 9	Bulletins and technical publications, 1947-1986
IHO 10	Statutes, 1926-1967
IHO 11	Reports of the work done by the Bureau, 1926-1971
IHO 12	Financial reports, 1936-1981
IHO 13	Proposals, 1928-1936
IHO 14	Staff regulations, 1959-1974
IHO 15	Convention and regulations, 1967-1971
IHO 16	Administrative resolutions, 1961-1971
IHO 17	Guide for conferences, 1961-1971
IHO 18	IHO Annual Reports, 1925-1991

Related records:

H registered files

HA registered files

MLP series

ILB **Indexes to Letter Books**

These volumes are indexes to the material contained within the **LB** letter book series. They cover volumes 14-29 of the Letter Books. There are no separate volumes of indexes for **LB** volumes 1-13, 30-32 and 42.

ILB 1 Indexes to letter books, 1846-1883

Related records:

LB Letter Books

IMB **Indexes to Minute Books**

These volumes index the material contained within the **MB** Minute Books. From c. 1912-1922 these are also the indexes for **HD** Registered Files HD Papers.

Please note: these indexes only refer to the **MB** Minute Book volumes. They do not index **MBE** Enclosures to Minute Books or **SMB** Special Minute Books.

IMB Indexes to Minute Books, 1846-1922

Related records:

HD Registered Files HD Papers

MB Minute Books

IPR **Intellectual Property records**

Records created by the Intellectual Property department. Examples of products containing UKHO data that were licensed to be used by licensees are also held in the Archive in the HA registered files series. Correspondence is held in the HA series.

IPR 1 Legal case papers, early 21st century

IPR 2 Licensees agreements, c. 2005-c. 2017

IPR 4 Unregistered files, unsorted, 2000s

Related records:

HA Registered Files HA Papers

IRB Individual Remark Books

These records represent written summaries of the voyages made by specific vessels, with particular emphasis on navigation such as sightings, positions, weather conditions and local coastal anomalies. Some volumes also contain letters, coastal views and simple survey drawings. A list of ship names and the year(s) the volume covers is available on request.

This is a continuation of the **MP** Miscellaneous Papers (Remark Books) series and **CRB** series.

IRB 1 Individual Remark Books, 1861-1909

Related records:

COD 10/3	Catalogue of Individual remark books
CRB	Composite remark books
MP	Miscellaneous Papers (remark books)

ISLB Indexes to Surveyors' Letter Books (out letters)

These index the material contained within the **SLB** Surveyors' letter books ('out' letters) series. The first volume (1857-1866) also abstracts letters received from surveyors, as well as referring to the official responses which are in the **LB** Letter Books volumes for this period. The other three indexes only refer to **SLB** Surveyors' letter books ('out' letters).

ISLB 1 Indexes to Surveyors' Letter Books ('out' letters), 1857-1925

Related records:

LB	Letter Books
SLB	Surveyors' Letter Books ('out' letters)

LB Letter Books

These volumes hold copies of out-letters containing the official responses to correspondence received. They also contain out-letters to surveyors from 1815 to 1866.

Please note: No 31 (1884-1886) has been missing for at least 50 years and there is an odd volume numbered 42 (1892-1893).

These volumes are listed in The National Archives' Discovery catalogue as ADM 357, but are not held by TNA. They remain at UKHO. The letters from 1815-1829 have been transcribed and typed.

LB Letter Books, 1815-1893

Related records:

- ILB** Indexes to Letter Books
- ISLB** Indexes to Surveyors' Letter Books (out letters)
- UHR 2/6** Historical Indexes

LLR Lights Lists records

Lights Lists were first published in book format by the Department in 1832 and continue to the present day [2019]. Early editions carried the title '*Light Houses of the World*'. These volumes provide comprehensive details and world-wide coverage of all fixed lights, fog signals and some lit floating marks of navigational significance.

In 1885 Lights Lists were recompiled into seven books instead of ten, but ten years later that increased to eight.⁸⁴ In 1926 the number of volumes increased to 9, in 1939 to 10, in 1941 to 12 and in 2014 to 14.

In 1887 a bi-monthly List of Corrections to Admiralty Lights Lists was instituted. Each list contained all the corrections to be made in the Admiralty Lights Lists whether from information published in Notices to Mariners or from information received in the Hydrographic Department which had not been issued in the Notices. The system remained in force until 1911 when the publication was made a monthly one. From April of that year the information was issued every week in the Supplementary portions of the Weekly Notices.⁸⁵

⁸⁴ Day, *The Admiralty Hydrographic Service*, p.129.

⁸⁵ Webb, *Charting Procedures and Standards*, section 0002.10.

In 1902 details of wireless-telegraphy stations were given and from 1912 Lights Lists included time signals which, prior to this date, had been in a separate publication.⁸⁶

Lights Lists staff remained in Whitehall during the Second World War. During those years many navigational lights were extinguished, or were only exhibited at reduced power, for a limited time. It had been envisaged that these limitations would be covered by a monthly supplement to the normal *Lists of Lights*. However, a special publication, HD 335 'Navigational Aids in War' (see **HTP 7**) which covered Home Waters, was produced and kept corrected by its own section in the *Notices to Mariners*. Naval stations abroad were responsible for promulgating information about their own lighting restrictions by station message. A manuscript master set of *Light Lists* was kept in the Department to record all these matters, for office use in compiling and correcting charts.⁸⁷

In 1968 Lights Lists staff moved to Taunton.⁸⁸

Record copies of almost all editions are held in the Archive. In addition, working volumes are held which have been annotated to give authorities for changes to the text. Record copies of supplements issued 1925-1945 and weekly corrections issued from 1924 are also held.⁸⁹ The original source material for the updates during the nineteenth century is scattered and not contained in one series of documents.⁹⁰ Foreign government Lights Lists have not been retained.

LLR 1	Record copies of published volumes of Lights Lists, 1851-present [2019]
LLR 2	Interleaved and annotated editions of published volumes of Lights Lists, 1895-2007
LLR 3	Supplements to Lights Lists, 1926-1945
LLR 4	Time Signals, 1880-1898
LLR 5	Weekly Notices to Mariners, 1924-2015
LLR 6	Lights Lists office procedures, c. 1922-1958

⁸⁶ Day, *The Admiralty Hydrographic Service*, pp.129 and 304.

⁸⁷ Morris, *Charts and Surveys in Peace and War*, pp.112 and 114.

⁸⁸ Morris, *Charts and Surveys in Peace and War*, p.211.

⁸⁹ Down, *Guide to the UKHO Archive*.

⁹⁰ Webb, *Charting Procedures and Standards*, section 0002.10.

Related records:

HTP 7	Navigational Aids in War
NPR 95	<i>The Guide to Publications and Information Services</i> (1985) Foreign Government Notices to Mariners ⁹¹

LOD **Lists of oceanic depths**

By the mid-nineteenth century, the increasing interest in the laying of submarine cables meant there was a call for more detailed information about global oceanic depths. The Hydrographer appreciated that knowledge of the depths of the open ocean was not only desirable for itself, but that it could help to eliminate some of the numerous reported dangers with which oceanic charts were encumbered.⁹²

Between 1857 and 1950 all oceanic depths were recorded (and subsequently from 1888) published by the Hydrographic Office in a yearly publication. Unbound copies of the reports are available in the HD publication series **HTP 7**, alternatively single bound volumes containing reports for multiple years 1880-1950 are located in the Archive. Each ship's report was entered in a volume called Index of Authorities. Where they have survived the original reports are spread across the **OD, MLP, S Papers** and **H Series**.⁹³

Annual lists of oceanic depths and serial temperatures received from surveying ships, the Indian Marine and telegraph companies were published from 1889.⁹⁴ In 1896 three charts of oceanic soundings in the Atlantic, the Indian and the Pacific oceans were published.

LOD 1	Lists of Oceanic Depths, 1857-1950
LOD 1/1	Lists of Oceanic Depths, 1880-1901
LOD 1/2	Lists of Oceanic Depths, 1901
LOD 1/3	Lists of Oceanic Depths, 1898
LOD 1/4	Lists of Oceanic Depths, 1888-1897
LOD 1/5	Lists of Oceanic Depths, 1888-1900

⁹¹ Available digitally, scanned into the UKHO's Source Data Receipt and Acquisition System (SDRA).

⁹² Morris, *Charts and Surveys in Peace and War*, p.14.

⁹³ Webb, *Charting Procedures and Standards*, section 0002.11.

⁹⁴ Day, *The Admiralty Hydrographic Service*, p.125.

LOD 1/6	Lists of Oceanic Depths, 1838-1901
LOD 1/7	Lists of Oceanic Depths, 1902-1920
LOD 1/8	Lists of Oceanic Depths, 1921-1934
LOD 1/9	Lists of Oceanic Depths, 1935-1950
LOD 1/10	Lists of Oceanic Depths, 1908-1927
LOD 1/11	Lists of Oceanic Depths, 1908-1928
LOD 1/12	Lists of Oceanic Depths, 1928-1939 [missing 2017]
LOD 1/13	Record of Oceanic Soundings Vol 19 Antarctic Ocean, undated
LOD 1/14	Record of Oceanic Soundings Index to Authorities, undated
LOD 1/15	Oceanic Sounding files, with index cards no. 1-599, 1950s-1990s

Related records:

CAB	Cables
H	H Series files
HTP 7	HD numbered series of publications
MLP	Miscellaneous Letters and Papers
OD	Original Documents
S Papers	S Papers

LOS Law of the Sea records (and maritime limits)

These records have been created and accumulated by the Law of the Sea department within the Hydrographic Office. The Admiralty's Territorial Waters officer was based in Whitehall before moving to Taunton. Law of the Sea is a body of international law that concerns the principles and rules by which public entities, especially states, interact in maritime matters, including navigational rights, sea mineral rights, and coastal waters jurisdiction. It is the public law counterpart to Admiralty law, which concerns private maritime intercourse. The United Nations Convention on the Law of the Sea, concluded in 1982 and put into force in 1994, is generally accepted as a codification

of customary international law of the sea.⁹⁵ These records date from the mid nineteenth century to 2010, some of which are classified.

LOS 1	Reference works, including printed works, 1880s-2000
LOS 2	Minutes, 1923
LOS 3	Court cases, 1912-c. 1980s
LOS 4	International conference papers on boundary disputes, c. 1924-c. 1958
LOS 5	Territorial Waters folios, 1920s-1960s
LOS 6	Law of the sea conference, 1958-1960
LOS 7	Hydrographic surveys in colonial waters, c. 1827-1940
LOS 8	PCGN spelling of names, 1940-1954
LOS 9	General Limits, 1860s-1968
LOS 10	UK national baselines, base points, closing lines and limits, 1930-1997

Related records:

H	Registered files
HH	Registered files
HA	Registered files
OCB	Record copies of Admiralty charts ('old copy bundles')

LP 1857 Incoming Letters prior to 1857

This discrete collection comprises over 10,000 letters and enclosures to the Hydrographer from a wide variety of people both within the Navy and outside. It includes many letters from surveyors that should have been filed in the **SL** series of 'in' letters. The majority of the letters were written between 1830 and 1855 when Beaufort was Hydrographer. This series has been heavily used by historians over the last 50 years and extracts have been published in numerous works.

⁹⁵ Wikipedia, 'Law of the Sea', <https://en.wikipedia.org/wiki/Law_of_the_sea>, (viewed on 24/08/2016).

A spreadsheet of surnames of the sender, and the date of the letter, and another of select abstracts is available on request. Letters from 1808 to 1829 have been transcribed and typed.

LP 1857 Incoming Letters prior to 1857, c. 1805-1857

Related records:

UHR 2/6 Historical Indexes

MAM Marketing advertising material

Material produced by the Hydrographic Office for marketing and advertising purposes, for both internal and external audiences.

MAM 1 Brochures and leaflets, late 20th century – early 21st century

MAM 2 Posters, c. 1990-c. 2015

MAM 3 *UKHO News / Compass Point / Hydra*, 1951-2015

MAM 4 *ECDIS Today*, c. 2007

MAM 5 *Admiralty World*, c. 2001-2006

MAM 6 *Chart Agents Update*, 1999

MAM 7 *UKHO Defence Update*, 2001

MAM 8 *Quality Matters*, 1998

MAM 9 Marketing ephemera, c. 1990s

MAM 10 Hydrography in the Royal Navy poster, 1976

Related records:

USR Unofficial staff records (including clubs, societies, publications etc)

MAP **Maps, published**

Maps accessioned as flat sheets before c. 1900 can be found in the main series of surveys ('Original Documents'). Many of these were weeded out over the years. A few very old map sheets, prior to 1800, were transferred to the British Library in the 1990s. Similarly maps from c. 1900 to 2010 have also been weeded, especially in 2000. The remaining maps are grouped together by producer, or kept in original order as collected together by the originating department within the UKHO.

- MAP 1** Maps created by the Directorate of Overseas Surveys and some foreign government publications, arranged in original order, 1980s
- MAP 1/1** Map of British Antarctic Territory, Falkland Island Dependencies, original ref D503, 1980s
- MAP 1/2** Map of Falkland Island Dependencies, original ref D811, 1980s
- MAP 1/3** Map of British Antarctic Territory, original ref D812, 1980s
- MAP 1/4** Map of British Antarctic Territory, original ref D601, 1980s
- MAP 1/5** Map of British Antarctic Territory, original ref D503, 1980s
- MAP 1/6** Map of Belize, original reference E755, 1980s
- MAP 1/7** Map of Caribbean Islands, original ref E803, 1980s
- MAP 1/8** Map of Cayman Islands, original ref E821, 1980s
- MAP 1/9** Map of Belize, original ref E953, 1980s
- MAP 1/10** Map of Bermuda, original ref E8110, 1980s
- MAP 1/11** Map of Turks and Caicos Islands, original ref E8112, 1980s
- MAP 1/12** Map of Turks and Caicos Islands, original ref E8113, 1980s
- MAP 1/13** Map of Falkland Islands, original ref H791-T10, 1980s
- MAP 1/14** Map of Falkland Islands, original ref H792, 1980s
- MAP 1/15** Map of Norway, original ref HLC, 1980s
- MAP 1/16** Map of Iraq, original ref K042M, 1980s
- MAP 1/17** Map of Cyprus, original ref K717, 1980s
- MAP 1/18** Map of Iraq, original ref K743, 1980s
- MAP 1/19** Map of Iraq, original ref K753, 1980s
- MAP 1/20** Map of Iran, original ref K757, 1980s
- MAP 1/21** Map of Iran, original ref K758, 1980s

MAP 1/22	Map of Cyprus, original ref K912, 1980s
MAP 1/23	Map of Iraq, original ref K941, 1980s
MAP 1/24	Map of Iran, original ref K951, 1980s
MAP 1/25	Map of Fiji, original X951, 1980s
MAP 1/26	Map of Malta, original ref M898, 1980s
MAP 1/27	Map of Gibraltar, original ref M781, 1980s
MAP 1/28	Map of East Siberia, original ref N504, 1980s
MAP 1/29	Map of Australia, original ref R503, 1980s
MAP 1/30	Map of Tuvalu, original ref X041, 1980s
MAP 1/31	Map of Fiji, original ref X754, 1980s
MAP 1/32	Map of Kingdom of Tonga, original ref X872, 1980s
MAP 1/33	Map of South Georgia, original ref GSGS 5436A, 1980s
MAP 1/34	Map of Falkland Islands, original ref GSGS 5456, 1980s
MAP 1/35	Map of Falkland Islands, original ref GSGS 5457, 1980s
MAP 1/36	Map of Falkland Islands, original ref GSGS 5460, 1980s
MAP 1/37	Map of Iran, original ref GSGS 5832, 1980s
MAP 1/38	Map of Libya, original ref GSGS 5457, 1980s
MAP 1/39	Map of Belize, original ref GSGS 5609, 1980s
MAP 1/40	Map of Eastern Adriatic, original ref GSGS 5730, 1980s
MAP 2	Maritime Patrol Air Tactical Chart, areas 1-39, 300-312, 1980s
MAP 3	Tactical Pilotage Charts, various creators including Defense Mapping Agency Aerospace Centre and Director of Military Survey, Ministry of Defence, 1970s-2000s
MAP 3/1	Tactical Pilotage Charts Area TPC - K, 1970s-2000s
MAP 3/2	Tactical Pilotage Charts Area TPC - L, 1970s-2000s
MAP 3/3	Tactical Pilotage Charts Area TPC - M, 1970s-2000s
MAP 3/4	Tactical Pilotage Charts Area TPC - N, 1970s-2000s
MAP 3/5	Tactical Pilotage Charts Area TPC - P, 1970s-2000s

MAP 3/6	Tactical Pilotage Charts Area TPC - Q, 1970s-2000s
MAP 3/7	Tactical Pilotage Charts Area TPC - R, 1970s-2000s
MAP 3/8	Tactical Pilotage Charts Area TPC - S, 1970s-2000s
MAP 3/9	Tactical Pilotage Charts Area TPC - T, 1970s-2000s
MAP 3/10	Tactical Pilotage Charts Area TPC - U, 1970s-2000s
MAP 3/11	Tactical Pilotage Charts Area TPC (M), 1970s-2000s
MAP 3/12	Tactical Pilotage Charts Area TPC - Italy Training, 1970s-2000s
MAP 3/13	Tactical Pilotage Charts Area TPC - JNC, 1970s-2000s
MAP 3/14	Tactical Pilotage Charts Area ONC - A, 1970s-2000s
MAP 3/15	Tactical Pilotage Charts Area ONC - B, 1970s-2000s
MAP 3/16	Tactical Pilotage Charts Area ONC - C, 1970s-2000s
MAP 3/17	Tactical Pilotage Charts Area ONC - D, 1970s-2000s
MAP 3/18	Tactical Pilotage Charts Area ONC - E, 1970s-2000s
MAP 3/19	Tactical Pilotage Charts Area ONC - F, 1970s-2000s
MAP 3/20	Tactical Pilotage Charts Area ONC - G, 1970s-2000s
MAP 3/21	Tactical Pilotage Charts Area ONC - H, 1970s-2000s
MAP 3/22	Tactical Pilotage Charts Area ONC - J, 1970s-2000s
MAP 3/23	Tactical Pilotage Charts Area ONC - K, 1970s-2000s
MAP 3/24	Tactical Pilotage Charts Area ONC - L, 1970s-2000s
MAP 3/25	Tactical Pilotage Charts Area ONC - M, 1970s-2000s
MAP 3/26	Tactical Pilotage Charts Area ONC - N, 1970s-2000s
MAP 3/27	Tactical Pilotage Charts Area ONC - P, 1970s-2000s
MAP 3/28	Tactical Pilotage Charts Area ONC - Q, 1970s-2000s
MAP 3/29	Tactical Pilotage Charts Area ONC - R, 1970s-2000s
MAP 3/30	Tactical Pilotage Charts Area TPC - S, 1970s-2000s
MAP 3/31	Tactical Pilotage Charts Area ONC - T, 1970s-2000s
MAP 3/32	Tactical Pilotage Charts Area ONC - U, 1970s-2000s

MAP 3/33	Tactical Pilotage Charts Area TCP - B, 1970s-2000s
MAP 3/34	Tactical Pilotage Charts Area TCP - C, 1970s-2000s
MAP 3/35	Tactical Pilotage Charts Area TCP - D, 1970s-2000s
MAP 3/36	Tactical Pilotage Charts Area TCP - E, 1970s-2000s
MAP 3/37	Tactical Pilotage Charts Area TCP - F, 1970s-2000s
MAP 3/38	Tactical Pilotage Charts Area TCP - G, 1970s-2000s
MAP 3/39	Tactical Pilotage Charts Area TCP - H, 1970s-2000s
MAP 3/40	Tactical Pilotage Charts Area TCP - J, 1970s-2000s
MAP 3/41	Transit Flying Chart TFC - L, 1970s-2000s
MAP 4	Overseas Survey Directorate, 1960s-2000s
MAP 4/1	Overseas Survey Directorate, 1960s-2000s
MAP 4/1/1	Overseas Survey Directorate maps, Includes Pitcairn Islands, Barbados, Kiribati, Tristan da Cunha and Christmas Island, 1960s-2000s
MAP 4/1/2	Overseas Survey Directorate map 053 Falkland Islands, 1960s-2000s
MAP 4/2	Directorate of Overseas Surveys maps, 1980s-1990s
MAP 4/2/1	Directorate of Overseas Surveys map of 043 Anguilla, 1980s-1990s
MAP 4/2/2	Directorate of Overseas Surveys map of 217 St. Vincent and the Grenadines, 1980s-1990s
MAP 4/2/3	Directorate of Overseas Surveys map of 255 Cyprus, 1980s-1990s
MAP 4/2/4	Directorate of Overseas Surveys map of 260 St. Helena, 1980s-1990s
MAP 4/2/5	Directorate of Overseas Surveys map of 301 Jamaica, 1980s-1990s
MAP 4/2/6	Directorate of Overseas Surveys map of 304 Seychelles, 1980s-1990s
MAP 4/2/7	Directorate of Overseas Surveys map of 310 British Antarctic Territory, 1980s-1990s
MAP 4/2/8	Directorate of Overseas Surveys map of 336 Kiribati, 1980s-1990s
MAP 4/2/9	Directorate of Overseas Surveys map of 323 Tristan da Cunha, 1980s-1990s
MAP 4/2/10	Directorate of Overseas Surveys map of 347 Solomon Islands, 1980s-1990s
MAP 4/2/11	Directorate of Overseas Surveys map of 355 Cyprus, 1980s-1990s

- MAP 4/2/12** Directorate of Overseas Surveys map of 367 Kiribati (formerly X042) , 1980s-1990s
- MAP 4/2/13** Directorate of Overseas Surveys map of 418 Barba, 1980s-1990s
- MAP 4/2/14** Directorate of Overseas Surveys map of 428 Cayman Islands, 1980s-1990s
- MAP 4/2/15** Directorate of Overseas Surveys map of 493P Mauritius, 1980s-1990s
- MAP 4/2/16** Directorate of Overseas Surveys map of 436 Kiribati, 1980s-1990s
- MAP 4/2/17** Directorate of Overseas Surveys map of 443 St. Kitts and Nevis, 1980s-1990s
- MAP 4/2/18** Directorate of Overseas Surveys map of 446 British Virgin Islands, 1980s-1990s
- MAP 4/2/19** Directorate of Overseas Surveys map of 453 Falkland Islands, 1980s-1990s
- MAP 4/2/20** Directorate of Overseas Surveys map of 467 Kiribati, 1980s-1990s
- MAP 4/2/21** Directorate of Overseas Surveys map of 529 Mauritius, 1980s-1990s
- MAP 4/2/22** Directorate of Overseas Surveys map of 604 Seychelles, 1980s-1990s
- MAP 4/2/23** Directorate of Overseas Surveys map of 608 Zanzibar, 1980s-1990s
- MAP 4/2/24** Directorate of Overseas Surveys 648 map of Fiji, 1980s-1990s
- MAP 4/2/25** Directorate of Overseas Surveys 649 map of Belize, 1980s-1990s
- MAP 4/2/26** Directorate of Overseas Surveys 653 map of Falkland Islands, 1980s-1990s
- MAP 4/2/27** Directorate of Overseas Surveys 701 map of Falkland Islands, 1980s-1990s
- MAP 4/2/28** Directorate of Overseas Surveys 813 map of British Antarctic Territory, 1980s-1990s
- MAP 4/2/29** Directorate of Overseas Surveys 865 map of Vanuatu, 1980s-1990s
- MAP 4/2/30** Directorate of Overseas Surveys 867 map of Kiribati, 1980s-1990s
- MAP 4/2/31** Directorate of Overseas Surveys 906 map of Falkland Islands, 1980s-1990s
- MAP 4/2/32** Directorate of Overseas Surveys 943 map of Anguilla, 1980s-1990s
- MAP 4/2/33** Directorate of Overseas Surveys 950 map of South Georgia, 1980s-1990s
- MAP 4/2/34** Directorate of Overseas Surveys 958 map of Belize, 1980s-1990s
- MAP 4/2/35** Directorate of Overseas Surveys 960 map of Falkland Islands, 1980s-1990s
- MAP 4/2/36** Directorate of Overseas Surveys 997 map of British Virgin Islands, 1980s-1990s

- MAP 4/2/37** Directorate of Overseas Surveys 6007 map of Gilbert and Ellice Islands (formerly X844), 1980s-1990s
- MAP 4/2/38** Directorate of Overseas Surveys 0061 map of Maldives, 1980s-1990s
- MAP 4/2/39** Directorate of Overseas Surveys 009 map of Turks and Caicos Islands, 1980s-1990s
- MAP 4/2/40** Directorate of Overseas Surveys 0029 map of Mauritius, 1980s-1990s
- MAP 4/2/41** Directorate of Overseas Surveys 038 map of Tuvalu and Kiribati, 1980s-1990s
- MAP 4/2/42** Directorate of Overseas Surveys 046 map of British Virgin Islands, 1980s-1990s
- MAP 4/2/43** Directorate of Overseas Surveys 059 map of Monserrat, 1980s-1990s
- MAP 4/2/44** Directorate of Overseas Surveys 060 map of St. Helena, 1980s-1990s
- MAP 4/2/45** Directorate of Overseas Surveys 065 map of New Hebrides, 1980s-1990s
- MAP 4/2/46** Directorate of Overseas Surveys 104 map of Seychelles, 1980s-1990s
- MAP 4/2/47** Directorate of Overseas Surveys 159 map of Monserrat, 1980s-1990s
- MAP 4/2/48** Directorate of Overseas Surveys 208 map of Zanzibar, 1980s-1990s
- MAP 4/2/49** Directorate of Overseas Surveys 201 map of Jamaica, 1980s-1990s
- MAP 4/2/50** Directorate of Overseas Surveys 204 map of Seychelles, 1980s-1990s
- MAP 4/3** Department of Lands and Surveys maps, c. 1980s
- MAP 4/3/1** Department of Lands and Surveys 17 Cyprus, c. 1980s
- MAP 4/3/2** Department of Lands and Surveys 32 Cyprus, c. 1980s
- MAP 4/4** 'DMS' maps, United States Government, Department of Defense, 1970s-1980s
- MAP 4/4/1** DMS 1101 World maps, 1970s-1980s
- MAP 4/4/2** DMS 1106 Small scales world series, 1970s-1980s
- MAP 4/4/3** DMS 1144 Small scales world series, 1970s-1980s
- MAP 4/4/4** DMS 1142 Small scales world series, 1970s-1980s
- MAP 4/4/5** DMS 1150 Small scales world series, 1970s-1980s
- MAP 4/4/6** DMS 1209 Small scales world series, 1970s-1980s

MAP 5	English Nature, Sites of Special Scientific and other Statutory Sites in the UK, 1990s
MAP 6	Maps of the Island of Ireland created by Ordnance Survey of Northern Ireland and Ordnance Survey of Ireland, 1900s-1960s
MAP 6/1	Map of Antrim, c. 1900s-1960s
MAP 6/2	Map of Clare, c. 1900s-1960s
MAP 6/3	Map of Cork, c. 1900s-1960s
MAP 6/4	Map of Donegal, c. 1900s-1960s
MAP 6/5	Map of Down, c. 1900s-1960s
MAP 6/6	Map of Dublin, c. 1900s-1960s
MAP 6/7	Map of Galway, c. 1900s-1960s
MAP 6/8	Map of Kerry, c. 1900s-1960s
MAP 6/9	Map of Armagh, c. 1900s-1960s
MAP 6/10	Map of Kilkenny, c. 1900s-1960s
MAP 6/11	Map of Leitrim, c. 1900s-1960s
MAP 6/12	Map of Limerick, c. 1900s-1960s
MAP 6/13	Map of Londonderry/Derry, c. 1900s-1960s
MAP 6/14	Map of Louth, c. 1900s-1960s
MAP 6/15	Map of Sligo, c. 1900s-1960s
MAP 6/16	Map of Mayo, c. 1900s-1960s
MAP 6/17	Map of Meath, c. 1900s-1960s
MAP 6/18	Map of Waterford, c. 1900s-1960s
MAP 6/19	Map of Wexford, c. 1900s-1960s
MAP 6/20	Map of Wicklow, c. 1900s-1960s
MAP 6/21	Ordnance Survey maps of North and South of Ireland, ½ inch to 1 mile scale, 1900s-1960s
MAP 6/22	Ordnance Survey maps of North and South of Ireland, ¼ inch to 1 mile scale, 1900s-1960s

MAP 6/23	Ordnance Survey maps of North and South of Ireland, 1 inch to 1 mile scale, 1900s-1960s
MAP 7	BAS British Antarctic Survey maps, 1989-2005
MAP 7/1	British Antarctic Survey minimaps of Antarctica, 1989-2005
MAP 7/2	British Antarctic Survey satellite image, Port Lockroy, 1989-2005
MAP 7/3	British Antarctic Survey Scistamap, 1989-2005
MAP 7/4	British Antarctic Survey Geomaps, 1989-2005
MAP 7/5	British Antarctic Survey Digital topographic maps, 1989-2005
MAP 7/6	British Antarctic Survey maps series 10, 25, 100, 250 and 500, 1989-2005
MAP 7/7	British Antarctic Survey maps miscellaneous, 1989-2005
MAP 8	'APC' [Antarctic Place-names Committee], South Georgia and miscellaneous government of South Georgia and South Sandwich Islands, 2009
MAP 9	Canadian Bathymetric maps, 1960s-1970s
MAP 10	Maps relating to the Philippines, various producers, 1970s
MAP 11	Indexes to maps for mapping of Antarctic, c. 2006
MAP 12	Miscellaneous maps A sequence, various producers, 1910s-1970s
MAP 13	Maps of the Isle of Man, Ordnance Survey, 1970s-1980s
MAP 14	British Geological Survey Maps
MAP 14/1	British Geological Survey Maps 1:250 000 series, 1970s-1980s
MAP 14/2	British Geological Survey Maps 1:50 000 series, 1970s-1990s
MAP 14/3	British Geological Survey Maps 1:1 000 000 series, 1980s
MAP 15	Maps of Channel Islands, various producers, various scales, 1950s-1980s
MAP 16	Collection of maps entitled miscellaneous series, 1950s-2000s
MAP 16/1	Maps of Falkland Islands, Directorate of Colonial Surveys, 1950s [Former reference number 1308]
MAP 16/2	Maps of Australian Antarctic Territory, Mapping Department of National Development Australia, 1950s-1960s [Former reference number 1524]
MAP 16/3	Maps of South Atlantic Ocean, Gough Island, Royal Geographic Society, 1956 [Former reference number 1507]

- MAP 16/4** Maps of Bird Island, South Georgia [no creator], c. 1961 [Former reference number 1587]
- MAP 16/5** Maps of Falkland Island Dependencies, compiled by Manor A.G. Bomford ARICS, with index map, 1960 [Former reference number 1589]
- MAP 16/6** Maps of Viwa and other islands, Fiji, Department of Lands, Mines, Surveys Fiji, 1961 [Former reference number 1592]
- MAP 16/7** Maps of Viwa and other islands, Fiji, Department of Lands, Mines, Surveys Fiji, 1961 [Former reference number 1594]
- MAP 16/8** Maps of Falkland Island Dependencies, Signy Island, Geography Department of University College Swansea, 1950s [Former reference number 1608]
- MAP 16/9** Maps of Courbes de Niveau, Terre Adelie [no creator], 1961 [Former reference number 1610]
- MAP 16/10** Maps of Dronning Maud Land, Antarctic, Norsk Polarinstitut, c. 1962 [Former reference number 1613]
- MAP 16/11** Maps of Dronning Maud Land, Antarctic, Norsk Polarinstitut, c. 1962 [Former reference number 1619]
- MAP 16/12** Maps of Australian Antarctic Territory, Department of National Development Australia, 1960s-1970s [Former reference number 1621]
- MAP 16/13** Maps of Nouvelles Hebrides Ile Vate [no creator], c. 1964 [Former reference number 1632]
- MAP 16/14** Maps of Nouvelles Hebrides Ile Vate [no creator], c. 1964 [Former reference number 1633]
- MAP 16/15** Maps of Port Vila [no creator], with index map, c. 1964 [Former reference number 1634]
- MAP 16/16** Maps of Australian Antarctic Territory, Department of National Development Australia, 1963 [Former reference number 1638]
- MAP 16/17** Maps of Fiji, Department of Lands, Mines, Surveys Fiji, with index map, 1950s [Former reference number 1643]
- MAP 16/18** Maps of Antarctic, Adelaide Island [no creator], c. 1967 [Former reference number 1654]
- MAP 16/19** Maps of Royal Bay, South Georgia, 42 Survey Engineer Regiment, 1970 [Former reference number 1672]
- MAP 16/20** Maps of Gibraltar, Government of Gibraltar, 1970 [Former reference number 1675]
- MAP 16/21** Maps of Seychelles, Directorate of Oversea Surveys, c. 1970 [Former reference number 1680]
- MAP 16/22** Maps of Beaufort Island, Lands and Survey Department of New Zealand, 1960 [Former reference number 1699]

- MAP 16/23** Maps of Cape Crozier, Lands and Survey Department of New Zealand, 1962 [Former reference number 1700]
- MAP 16/24** Maps of Australian Antarctic Territory, Department of National Development Australia, 1969-1971 [Former reference number 1703]
- MAP 16/25** Maps of Port of Victoria Land, Facilities in the region of Scott Base [no creator], 1966 [Former reference number 1704]
- MAP 16/26** Maps of British Antarctic Territory, Directorate of Oversea Surveys, 1971 [Former reference number 1716]
- MAP 16/27** Maps of Falkland Island Dependencies, Base Y local Survey, 1966 [Former reference number 1719]
- MAP 16/28** Maps of Structural model of Italy, Grafica Editoriale Cartografica, 1973 [Former reference number 1736]
- MAP 16/29** Maps of Terres Australes et Antarctiques Français Iles Kergelen, Institut Géographique National, 1973 [Former reference number 1740]
- MAP 16/30** Maps of Belgium, Scheepvaartwegen roies navigables, Belgian Government, 1978 [Former reference number 1741]
- MAP 16/31** Maps of Arctic region, American Geographical Society, 1976 [Former reference number 1776]
- MAP 16/32** Maps of Africa, Survey of Ghana, c. 1978 [Former reference number 1794]
- MAP 16/33** Maps of British Antarctic Territory, Foreign Office, 1950s [Former reference number 1808]
- MAP 16/34** Maps of British Antarctic Territory, Foreign Office, 1980s-2002 [Former reference number 1820]
- MAP 16/35** Maps of British Antarctic Territory, Foreign Office, 1950s-1990s [Former reference number 1821]
- MAP 16/36** Maps of unidentified area [no creator], c. 1980 [Former reference number 1823]
- MAP 16/37** Maps of Mombasa Island, Survey of Kenya, 1977 [Former reference number 1828]
- MAP 16/38** Maps of Mombasa Island, Survey of Kenya, 1977 [Former reference number 1829]
- MAP 16/39** Maps of Antarctic, Ministry of Geology of USSR, 1975 [Former reference number 1840]
- MAP 16/40** Maps of Terre Adélie, French Government, 1955 [Former reference number 1850]
- MAP 16/41** Maps of North Atlantic Ocean: Bathymetry and plate tectonic evolution, Geographical Society of America, 1981 [Former reference number 1867]

- MAP 16/42** Maps of Bathymetry of the Norwegian Greenland and Western Barents Sea, Geographical Society of America, 1980 [Former reference number 1902]
- MAP 16/43** Maps of Fiji, Mineral Resources Department of Fiji, 1980s [Former reference number 1904]
- MAP 16/44** Maps of Bathymetry of the Argentine continental margin and adjacent areas, American Association of Petroleum Geologists, 1978 [Former reference number 1950]
- MAP 16/45** Maps of Rennell, Mu Nggava [no creator], c. 1980s [Former reference number 1951]
- MAP 16/46** Maps of Fiji, Government of Fiji, 1980s-1990s [Former reference number 1955]
- MAP 16/47** Maps of Bathymetry of Arctic Ocean, Geographical Society of America, 1986 [Former reference number 1960]
- MAP 16/48** Maps of South Georgia, Foreign and Commonwealth Office, 1990s [Former reference number 1974]
- MAP 16/49** Maps of Lambasa and environs, Lands and Surveys Department, Fiji, 1982 [Former reference number 2006]
- MAP 16/50** Maps of Inland waterways of Bangladesh, Department of Hydrography, BITWA, 1988 [Former reference number 2051]
- MAP 16/51** Maps of Bathymetry of South Atlantic Ocean, Geographical Society of America 1989 [Former reference number 2057]
- MAP 16/52** Maps of Fiji, Lands and Surveys Department, Fiji, 1980s [Former reference number 2069]
- MAP 16/53** Maps of Estonian waters, Regio 1991 [Former reference number 2083]
- MAP 16/54** Maps of Northern Norwegian-Greenland Sea, Geographical Society of America, 1994 [Former reference number 2084]
- MAP 16/55** Maps of Irish Aquaculture, La Tene Maps Ltd, c. 1994 [Former reference number 2084]
- MAP 16/56** Maps of Cyprus, Cyprus Tourism Organisation, 1988 [Former reference number 2089]
- MAP 16/57** Maps of Cyprus, Cyprus Tourism Organisation, 1988 [Former reference number 2090]
- MAP 16/58** Maps of Geological map of the world, UNESCO/CGMW, 1990 [Former reference number 2092]
- MAP 16/59** Maps of Franz Josef land area, Geographical Society of America, 1995 [Former reference number 2095]
- MAP 16/60** Maps of Muscat, National Survey Authority, 1990s [Former reference number 2097]

- MAP 16/61** Maps of Antarctica, National Geographic Society, 1994 [Former reference number 2098]
- MAP 16/62A** Maps of Energy and power of the world, various creators, 1990s [Former reference number 2099]
- MAP 16/62B** Maps of Fishing areas of the world, various creators, 1990s [Former reference number 2100]
- MAP 16/63** Maps of Mediterranean Sea, Department of Navy and Oceanography of USSR, 1987-1993 [Former reference number 2103]
- MAP 16/64** Maps of Eastern Mediterranean Sea, Geographical Survey of Israel 1981 [Former reference number 2109]
- MAP 16/65** Maps of Central Eastern Atlantic, Intergovernmental; Oceanographic Commission, 1999-2000 [Former reference number 2110]
- MAP 16/66** Maps of Arctic basin, Russian Academy of Sciences, 1995 [Former reference number 2111]
- MAP 16/67** Maps of Arctic ocean, Russian Academy of Sciences, 1995 [Former reference number 2112]
- MAP 16/68** Maps of Malta, Mapping Unit, 1993 [Former reference number 2113]
- MAP 16/69** Maps of Israel, Israel Mapping Centre, with translation document, c.2000 [Former reference number 2118]
- MAP 16/70** Maps of Israel, Survey of Israel, 1997 [Former reference number 2119]
- MAP 16/71** Maps of Cartographie des Fonds de Pêche Profonde de L'Atlantique du Nord-Est, European Union, 1998 [Former reference number 2117]
- MAP 16/72** Maps of Port Stanley, Falkland Island Government Publications Department, 2000 [Former reference number 2121]
- MAP 16/73** Maps of Belfast, Collins, 2000 [Former reference number 2122]
- MAP 16/74** Maps of Mediterranean submarine cables system, Global Marine Systems Ltd, 2002 [Former reference number 2123]
- MAP 16/75** Maps of Israel [in Hebrew?], 2003-2005 [Former reference number 2124]
- MAP 16/76** Maps of Antarctica, Servicio Geográfico del Ejército, 1992-1994 [Former reference number 2125]
- MAP 16/77** Maps of Trinidad, Government of Republic of Trinidad and Tobago, 1991 [Former reference number 2127]
- MAP 16/78** Maps of Tobago, Government of Republic of Trinidad and Tobago, 1991 [Former reference number 2128]
- MAP 16/79** Maps of Mississippi River, Flood Control and Navigation Maps, US Army Corps of Engineers, 1998 [Former reference number 2130]

- MAP 16/80** Maps of Qatar, State of Qatar and Geomatics Canada, 1995 [Former reference number 2131]
- MAP 16/81** Maps of Barents and Kara Sea, Geological Society of America, 1991 [Former reference number 2133]
- MAP 16/82** Maps of Residual magnetic anomaly chart of the Arctic ocean region, Naval Research Laboratory 1980s [Former reference number 2134]
- MAP 16/83** Maps of Caribbean Sea and Gulf of Mexico, UNESCO 1992 [Former reference number 2135]
- MAP 16/84** Maps of Ad Oammān and Jizān, Directorate of Military Survey, Kingdom of Saudi Arabia, 2002 [Former reference number 2135]
- MAP 16/85** Maps of Albania, Instituti Gjeografik Ushtarak, Shqiperise, 2002 [Former reference number 2138]
- MAP 16/86** Maps of Admiralty Bay, King George Island, Institute of Ecology Polish Academy of Sciences, 1990 [Former reference number 2139]
- MAP 16/87** Maps of Korea, National Geographic Institute, Korea, 2006 [Former reference number 2140]
- MAP 16/88** Maps of Mediterranean Sea and North Israel [no creator], c.2006 [Former reference number 2141]
- MAP 16/89** Maps of 1987 Development Map, Ras Al Khaimah Fujairdh Border Study, United Arab Emirates, 1995 [Former reference number 2142]
- MAP 16/90** Maps of Mediterranean coast of Israel, Geological Survey of Israel, 1984 [Former reference number 2143]
- MAP 16/91** Maps of South West Pacific [no creator], 1983 [Former reference number 2144]
- MAP 16/92** Maps of South West Pacific [no creator], c. 2007 [Former reference number 2145]
- MAP 16/93** Maps of Franz Josef land area, Geographical Society of America, 1995 [Former reference number 2146]
- MAP 16/94** Maps of East Mediterranean Sea, Geographical Survey of Israel, 1994 [Former reference number 2147]
- MAP 16/95** Maps of Antarctic, Alfred Wegener Institute for Polar and Marine Research, 2007 [Former reference number 2148]
- MAP 16/96** Maps of Kerguelen Plateau, Bureau of Mineral Research, Geology and Geography Australia, undated [Former reference number 2150]
- MAP 16/97** Maps of Caribbean Sea and Gulf of Mexico, UNESCO, 1992 [Former reference number 2149]
- MAP 17** Oceanographic Charts, various creators number 8-74, 1960s-1970s

- MAP 18** Oceanographic Charts, Japan, 1970s
- MAP 19** Oceanographic Charts, New Zealand, 1960s-1970s

Related records:

Surveys ('Original Documents')

MB Minute Books

These volumes are a mixture of 'in' letters, 'out' letters, minutes, memoranda, reports, estimates etc, with notes (usually in red ink) of action taken by the Hydrographic Department. They cover the period 1825 to January 1912.

Departmental minutes from January 1912 to January 1922 are continued in **HD** Registered Files HD Papers. Since 1922 incoming and outgoing correspondence and reports, together with departmental minutes and action, have been filed in the appropriate file series or 'Jacket'.

Enclosures to the **MB** series are stored as a separate series in **MBE**, and were referred to as 'Guard Books'. Any enclosures contained in the **MB** series have been listed, a copy of which is available on request.

These are listed in The National Archives' Discovery catalogue as ADM 347, but are not held by TNA. They remain at UKHO.

The minutes from 1825 to 1829 have been transcribed and typed.

- | | |
|-------------|-------------------------|
| MB | Minute Books, 1825-1912 |
| MB 1 | Minute book, 1825-1832 |
| MB 2 | Minute book, 1831-1837 |
| MB 3 | Minute book, 1837-1842 |
| MB 4 | Minute book, 1842-1845 |
| MB 5 | Minute book, 1845-1846 |
| MB 6 | Minute book, 1846-1849 |
| MB 7 | Minute book, 1849-1852 |
| MB 8 | Minute book, 1852-1854 |

MB 9	Minute book, 1854-1856
MB 10	Minute book, 1856-1860
MB 11	Minute book, 1860-1863
MB 12	Minute book, 1863-1865
MB 13	Minute book, 1865-1867
MB 14	Minute book, 1867-1868
MB 15	Minute book, 1869-1870
MB 16	Minute book, 1870-1871
MB 17	Minute book, 1871-1872
MB 18	Minute book, 1873-1874
MB 19	Minute book, 1874-1875
MB 20	Minute book, 1875-1877
MB 21	Minute book, 1877-1878
MB 22	Minute book, 1878-1879
MB 23	Minute book, 1879-1880
MB 24	Minute book, 1880-1881
MB 25	Minute book, Jun 1881 - Dec 1881
MB 26	Minute book, Jan 1882 - Dec 1882
MB 27	Minute book, 1882-1883
MB 28	Minute book, 1883-1884
MB 29	Minute book, 1884-1885
MB 30	Minute book, 1885-1886
MB 31	Minute book, 1886-1887
MB 32	Minute book, 1887-1888
MB 33	Minute book, 1888-1889
MB 34	Minute book, 1889-1891
MB 35	Minute book, 1891-1892

MB 36	Minute book, 1892-1893
MB 37	Minute book, 1893-1894
MB 38	Minute book, 1894-1895
MB 39	Minute book, 1895-1896
MB 40	Minute book, Oct - Dec 1896
MB 41	Minute book, Jan - Jun 1897
MB 42	Minute book, Jun - Dec 1897
MB 43	Minute book, Jan - Apr 1898
MB 44	Minute book, May - Aug 1898
MB 45	Minute book, Sep - Dec 1898
MB 46	Minute book, Dec 1898 - May 1899
MB 47	Minute book, May - Sep 1899
MB 48	Minute book, Sep - Nov 1899
MB 49	Minute book, Nov 1899 - Apr 1900
MB 50	Minute book, Apr - Aug 1900
MB 51	Minute book, Aug - Dec 1900
MB 52	Minute book, Enclosures
MB 53	Minute book, Apr - Aug 1901
MB 54	Minute book, Aug - Dec 1901
MB 55	Minute book, Dec 1901 - Mar 1902
MB 56	Minute book, Apr - Jun 1902
MB 57	Minute book, Aug – Dec 1902
MB 58	Minute book, Jan - Mar 1903
MB 59	Minute book, Mar - Jun 1903
MB 60	Minute book, Jun - Sep 1903
MB 61	Minute book, Oct - Sep 1903
MB 62	Minute book, Dec 1903- Apr 1904

MB 63	Minute book, Apr - Jul 1904
MB 64	Minute book, Jul - Oct 1904
MB 65	Minute book, Oct - Dec 1904
MB 66	Minute book, Dec 1904 – Mar 1905
MB 67	Minute book, Mar - Jun 1905
MB 68	Minute book, Jun - Sep 1905
MB 69	Minute book, Oct - Nov 1905
MB 70	Minute book, Dec 1905 – Mar 1906
MB 71	Minute book, Mar - Jun 1906
MB 72	Minute book, May - Oct 1906
MB 73	Minute book, Sep - Dec 1906
MB 74	Minute book, Dec 1906 - Mar 1907
MB 75	Minute book, Jan - Jun 1907
MB 76	Minute book, Jun - Sep 1907
MB 77	Minute book, Sep - Dec 1907
MB 78	Minute book, Dec 1907 – Mar 1908
MB 79	Minute book, Mar – Jun 1908
MB 80	Minute book, Jun - Sep 1908
MB 81	Minute book, Oct - Dec 1908
MB 82	Minute book, Jan - Apr 1909
MB 83	Minute book, Apr - Jun 1909
MB 84	Minute book, Jul - Oct 1909
MB 85	Minute book, Oct - Dec 1909
MB 86	Minute book, Nov 1909 - Apr 1910
MB 87	Minute book, Apr - Jul 1910
MB 88	Minute book, Jul - Oct 1910
MB 89	Minute book, Oct - Dec 1910

MB 90	Minute book, Dec 1910 - Jan 1911
MB 91	Minute book, Jan - Apr 1911
MB 92	Minute book, Mar 1910 – Sep 1911
MB 93	Minute book, Aug 1911 -Jan 1912

Related records:

HD	Registered Files HD Papers
IMB	Indexes to Minute Books
MBE	Minute Book Enclosures
UHR 2/6	Historical Indexes

MBE Enclosures to Minute Books

The original enclosures to in-letters and carbon copies of out-letters were bound in volumes entitled 'Enclosures to Minute Books' (termed 'Guard Books' in the **MB** Minute Books). The existence of enclosures is indicated by the note 'see Guard Book' in a Minute Book entry. The enclosures themselves bear blue Chinagraph numbers which relate to the page number in the appropriate Minute Book. For example, numbered 26-40, they contain enclosures to the correspondingly numbered Minute Books. There are two volumes numbered 26, 33 and 39; but no volume numbered 29.

These appear in The National Archives' Discovery catalogue as ADM 347, but are not held by TNA. They remain at UKHO.

MBE Enclosures to Minute Books, 1882-1896

Related records:

MB	Minute Books
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MEF Media films

Films concerning the work of the Hydrographic Office and its products. These were not all created by the UKHO or its predecessors.

- MEF 1** Admiralty Hydrographic Department film, c. 1950⁹⁶
- MEF 2** Admiralty A463 Charting the Seas film, 1948⁹⁷
- MEF 3** BBC 'Points West' transmission, 2011
- MEF 4** The Offset Story, c. 1968⁹⁸
- MEF 5** The Key to Automated Cartography – the E-51 Digital Coordination System, 1965⁹⁹
- MEF 6** A3039 Charting the Seas, 1948
- MEF 7** Plumbing the Depths', undated
- MEF 8** Internal communications and marketing films, c. 2000s-2010s
- MEF 9** Parliamentary debate on the UKHO, 2006
- MEF 10** Corporate production film - Visits Team, 1990s
- MEF 11** BBC news, Spotlight on Hydrographic Office, Nisbet Glen, surveyor, c. 2004

MEL Meteorological data

In the early years of the Hydrographic Office, 'although observations of the state of the weather were regularly kept in naval ships' logs, more precise observations for particular fixed points were not systematically collected...[although] Royal Naval vessels on longer voyages involving some aspect of scientific work kept their own meteorological registers, such as that on HMS *Blonde* between 28 November 1824 and 14 June 1825.'¹⁰⁰

During the nineteenth century hydrographic surveyors were increasingly encouraged to collect meteorological data. Beaufort had always been interested in meteorology and kept meticulous logs

⁹⁶ Digitised copy held

⁹⁷ Digitised copy held

⁹⁸ Digitised copy held

⁹⁹ Digitised copy held

¹⁰⁰ Webb, *The Expansion of British Naval Hydrographic Administration*, p.184.

himself. His interest led him to develop a numerical scale of wind speed, known today in its modernised form as the Beaufort Scale, as well as a standardised notation for providing a detailed description of the weather using single-letter abbreviations.¹⁰¹ He was keen to disseminate data to meteorological scientists and from 1835 onwards, forwarded a steadily increasing flow of meteorological journals from his officers and others to the Royal Society Meteorological Committee.¹⁰²

In 1853 the Board decided that all ships were to keep a meteorological journal.¹⁰³

Initially, 'the only way the Hydrographer found to disseminate meteorological information was through its inclusion in sailing directions issued to naval ships. It was not until the Board of Trade established a Meteorological Department in 1854 that a focussed attempt to organise the subject took place'.¹⁰⁴

The Royal Naval Meteorological Service was transferred to the Air Ministry following the formation of the Royal Air Force in 1918. It was recognised, however, that a supplementary organisation dealing with the forecasting, and the promulgation of forecasts, for purely naval purposes would still be required. An Admiralty Meteorological Service was set up in August 1918 as a branch of the Hydrographic Department.¹⁰⁵

In August 1920 all weather services were brought together under the Air Ministry's Meteorological Office. However, a Navy Services Division within the Meteorological Office remained responsible, under the Hydrographer, for supervising the meteorological work of the Fleet and for providing the weather forecasts and other services the Fleet required.¹⁰⁶

The Naval Meteorological Service became independent of the Hydrographer in 1947, although it later came back under the Hydrographer's wing in 1966.¹⁰⁷

There is an electronic listing of HD publications **HTP 7**, which also includes a list of Meteorological Documents with dates and titles of those documents.

MEL 1 Meteorological log for HM ships, 2012

¹⁰¹ R. Cock, *Sir Francis Beaufort and the Co-ordination of British Scientific Activity, 1829-55*, (unpublished PhD thesis, Cambridge, 2003), p.159-161.

¹⁰² Cock, *Sir Francis Beaufort*, p.163.

¹⁰³ Day, *The Admiralty Hydrographic Service*, p.57.

¹⁰⁴ Webb, *The Expansion of British Naval Hydrographic Administration*, p.184.

¹⁰⁵ Morris, *Charts and Surveys in Peace and War*, p.25.

¹⁰⁶ Morris, *Charts and Surveys in Peace and War*, pp.34-35.

¹⁰⁷ Morris, *Charts and Surveys in Peace and War*, p.153.

Related records:

HTP 7	HD numbered series of publications
RB	Remark books
H	Registered files
MP	Miscellaneous papers series

MLP **Miscellaneous Letters and Papers**

These are letters and papers of a wide sphere of interest, for example:

MLP 153	Surveying Expenses, c. 1881-c. 1888
MLP 154	Instructions to Surveying Ships, 1926-1936
MLP 158	Abstracts of Letters Received, 1866-1928

This collection does contain a number of records which would be more appropriately stored within other series, such as the Parry Papers that were gifted to the HO. However, the decision has been made not to move them as they have been referred to as MLP records for some time and cited as such by researchers.

MLP **Miscellaneous Letters and Papers, 1803-2005**

Related records:

MP	Miscellaneous Papers (Remark Books)
SAR 11	Pads
SL	Incoming Surveyors' Letters
S Papers	S Papers
UHR 2/6	Historical indexes

MP **Miscellaneous Papers (Remark Books)**

From c. 1750 it was obligatory for all captains and masters of naval ships to record observations about the coasts and ports they visited and render them to the Admiralty in ship's remark books. These records were passed to the Hydrographic Office on its foundation in 1795 and were chiefly used in the compilation of charts. These volumes are mostly in manuscript. They often include the following headings: place and time of observations; descriptions for sailing into and out of ports with soundings, marks for particular rocks, shoals etc with latitudes and longitudes, tides and variations of the compass; marks for anchoring; of wooding and watering; of provisions and refreshment; descriptions of fortifications and landing places; further descriptions in regards to trade, shipping etc. In some cases these remark books also include correspondence, charts, sketches of coast and plans of harbours and anchorages visited.

Volumes 1-27 are held at The National Archives as ADM 346. The remaining volumes are held at the UKHO.

Volumes 109-114 cover voyages in the West Indies and North America.

From 1834-1839 there are two series of remark books, *i.e.* the **IRB** Individual Remark Books and **CRB** Composite Remark Books. Remark books can also be found in the **OD** Original Documents series and the **H** series of registered files up to c. 1930.

MP Miscellaneous Papers, 1757-1853

Related records:

COD 7/5	Geographical listing of views found in the MP Miscellaneous Papers (Remark Books) series
COD 10/1	Catalogue of MP Miscellaneous Papers (Remark Books)
CRB	Composite Remark Books
IRB	Individual Remark Books
MLP	Miscellaneous Letters and Papers
OD	Original Documents

MR **Miscellaneous rolls**

These are collections of data that were not worthy of being recorded with a letter prefix (e.g. K1233) when they were received in Archive during the mid-twentieth century. Many are supporting documents for surveying and charting purposes. There are some anomalies, such as **MR 183** which contains notes by Mr Pascoe on methods of direct reproduction from charts, and includes many different examples across a wide time period. For some unknown reason this series was stopped,

but many other un-referenced records were found in 2016 when a collections level survey of the Archive was undertaken. Numbers 239 to 260 were added to this series at that time.

This collection requires further detailed cataloguing, but a basic list of part of the collection is available electronically.

See **MLP 231** for some contemporary notes made in the 1980s when this series was mustered and weeded.

MR 1-260 Miscellaneous rolls, mid-twentieth century

Related records:

MLP 231 Miscellaneous letters and papers
Original surveys

MTM Hydrographic Department Management Team meetings, 1968-1976

MTM 1 Hydrographic Department Management Team meeting minutes, 1968-1986

MTM 2 Hydrographic Department Management Team meeting agenda, 1974-1979

MTM 3 Hydrographic Department Management Team meeting working papers, 1976-1979

NAO **Her Majesty's Nautical Almanac Office records**

In 1714 the Longitude Act was passed by Parliament and a Board of Longitude was established to examine the problem of determining longitude at sea. It was under the Royal Astronomer Nevil Maskelyne (1732-1811) that the first edition (prepared for the year 1767) of the first nautical almanac ever to contain data dedicated to the convenient determination of longitude at sea was published as *The Nautical Almanac and Astronomical Ephemeris* in 1766.

In the first part of the nineteenth century, during the time of the Astronomer Royal John Pond (1767-1836) the Almanac fell into disrepute and became notorious for its errors. In 1818 Thomas Young (1773-1829) was appointed as the first Superintendent of the Nautical Almanac. In 1828, when the Board of Longitude was abolished, the Almanac came directly under the Board of the Admiralty, and Young continued as Superintendent and scientific adviser to the Admiralty. Young was followed by W.S. Stratford (1791-1853) in 1831. With the abolishment of the Board of Longitude, the Nautical Almanac Act of 1828 was passed. The act, with revisions in 1980, is still in

force today (although the stamp duty provisions were repealed by the UK Hydrographic Office in 2003). The Nautical Almanac Office was established within the Royal Observatory as a separate institution by Stratford at some point between late 1831 and early 1832 (the actual date is not recorded). From 1832, responsibility for publication was transferred to the newly established office.

Part 1 of *The Nautical Almanac and Astronomical Ephemeris* (containing the astro-navigational data) was published separately as *The Nautical Almanac and Astronomical Ephemeris, Part I* between 1896 and 1913. After a redesign in 1914, this publication was known as *The Nautical Almanac Abridged for the Use of Seamen* and then as *The Abridged Nautical Almanac* from 1952. Part II was also published separately between 1896 and 1930.

Superintendents of the office during the second half of the nineteenth century and the first half of the twentieth century were J.R. Hind (1823-95) from 1853, A.M.W. Downing (1850-1917) from 1892, P.H. Cowell (1870-1949) from 1910 and L.J. Comrie (1893-1950) from 1930. Significant changes to publications were introduced during D.H. Sadler's (1908-1987) time as superintendent between 1936 and 1971. In 1958 (with the issue for the year 1960), the Nautical Almanac Office and the US Naval Observatory began to jointly publish a unified Nautical Almanac, for use by the navies of both countries. At this time the official titles were redesigned and unified under the titles *The Astronomical Ephemeris* and *The Nautical Almanac*.

G.A. Wilkins was appointed Superintendent in 1970. In 1981 the title *The Astronomical Almanac* replaced *The Astronomical Ephemeris*. From 1960 to 1980 the publication had been prepared jointly by the United Kingdom and United States, but printed separately. From 1981 it was published jointly.

B.D. Yallop served as Superintendent from 1989. In 1996 the post was replaced by that of Head of the Nautical Almanac Office. A.T. Sinclair served in this position until 1998, and Dr S.A. Bell took over from P.T. Wallace in 2006.

The UKHO took over the responsibility for the Office from April 2006 when it moved to Taunton.¹⁰⁸ The following books and records came to the Archive in 2006.

NAO 1	Library books, mid-18th century to present [2019]
NAO 2	Record copies of published data, 1767-2016
NAO 3	Working records, 20 th century to present [2019]
NAO 4	Artifacts, 19 th century - 2019

¹⁰⁸ C. Hohenkerk, 'The Nautical Almanac and its Superintendents 250 Years: 1767-2017', <<http://astro.ukho.gov.uk/nao/history/index.html>>, (viewed 24/08/2016).

From c. 2013 correspondence and related material is filed in the **HA** file system. An anomaly with the HA filing means that many records created before 2013 were placed in HA files in 2013. Some of this material dates back to c. 1950. A box list is available.

Related records:

HA HA series files

NEM **NEMEDRI** [North European, Mediterranean Routing Instructions]

International Routeing and Reporting Authority publications. Includes information on danger areas, routes and instructions for North-West Europe, Baltic, Mediterranean, Black Sea, and Barents Sea. The 9th edition was numbered NP 273 in 1964, the renumbered NP 730 in 1968.

NEM 1/1-10 NEMEDRI, 1946-1961

NEM 2/1-5 Amendments and updates, 1947-1966

Related records:

NPR 273/1 NEMEDRI, 9th edition, 1964

NPR 730/1 NEMEDRI, 10th edition, 1968

NMR **Notices to mariners records**

It is not clear when any organisation introduced a formal system of issuing notices to mariners for British waters. Trinity House had been issuing printed notices since at least the seventeenth century and the Admiralty issued notices during the eighteenth century. In 1822 Hurd issued a printed sheet internally to the Royal Navy designed to inform the commanding officer on the Irish Station of omissions in an Admiralty sponsored survey of the late eighteenth century.¹⁰⁹

In 1832, Beaufort published the first issue of the *Nautical Magazine*, principally to disseminate information of navigational significance to subscribers before it was incorporated in new charts. The *Magazine* soon became both popular and full of general marine matters. In November 1834, the

¹⁰⁹ Webb, *Charting Procedures and Standards*, section 0002.3.

chart correcting information was removed and published separately as *Notices to Mariners*.¹¹⁰ However, no naval assistant was specifically employed to work on this until 1874.¹¹¹

From 1834 to 1890 Notices were printed on foolscap sheets and were issued singly to the ships or squadrons affected by the information given. In 1890 the weekly groupings of Notices to Mariners were instituted. Under the new system the notices issued during the week were bound together in octavo sheets and issued to all HM ships.¹¹²

In May 1906, a new system was begun for recording the corrections to chart plates contained in sixteen volumes and known as 'Chart Histories'. They replaced the journals begun in 1861.¹¹³ These records can also be found within the **NMR** collection.

In July 1915, the title *Admiralty Notices to Mariners* was introduced to avoid confusion with the various notices produced by other organisations such as the Board of Trade, Trinity House, and harbour authorities.¹¹⁴

During the First World War all extant publications were kept under revision as far as possible. It was acknowledged that information on charts, or in publications on sale, had wide circulation and therefore could not be prevented from reaching the enemy. Consequently much new information was not inserted on Admiralty charts, or given in Notices to Mariners and was instead promulgated to the Fleet in Confidential Fleet Notices (**NMR 15**), or by special charts (see the **OCB** series of letter prefix charts).¹¹⁵

The Red Standard system (**NMR 8**), which was designed to record minor information that was not considered to justify Notice to Mariners action, was introduced in 1954. It was applied to all charts until the introduction of the Revised Print (RP) system in 1972 (the only surviving records of these amendments to charts appear in the Chart Histories ledgers **NMR 5**). It continued for those charts not already in the RP system until the introduction of the Green Standard system (**NMR 1**) in 1987.¹¹⁶

During the Second World War, Notices to Mariners staff remained in Whitehall. In 1968, Notices to Mariners, which now included Radio Navigational Warnings, moved to the Taunton site.¹¹⁷

The ledgers which comprise **NMR 5** are a chronological history of corrections to Admiralty charts by Notices to Mariners, including costs of engraving, dates of reprinting, revision, corresponding entries in compilation books and other facts in the life of a chart number, arranged by chart number. There are two sub-series of records. Sub-series one is arranged by chart number (reference **NMR 5/1**). Sub-

¹¹⁰ Down, *Guide to the UKHO Archive*.

¹¹¹ Day, *The Admiralty Hydrographic Service*, p.346.

¹¹² Webb, *Charting Procedures and Standards*, section 0002.3.

¹¹³ Day, *The Admiralty Hydrographic Service*, p.217.

¹¹⁴ Morris, *Charts and Surveys in Peace and War*, p.21.

¹¹⁵ Day, *The Admiralty Hydrographic Service*, p.296.

¹¹⁶ Webb, *Charting Procedures and Standards*, section 0002.6-8.

¹¹⁷ Morris, *Charts and Surveys in Peace and War*, pp.112-13 and 211.

series two is prefixed with a letter (reference **NMR 5/2**). Within Sub-series 2 the records of charts prefixed with the letter “L” are arranged by the chart number and are not in strict alphabetical order. The L series all relates to Decca and Loran and ceased in 1999; the decision to do so can be found attached to the record card L(D1)20. When these records were sorted, some sheets were found that had no chart number, only a title. These sheets can be found at the start of the series in the first box.

When a chart was removed from circulation the number stopped being used for a period of five years. Therefore some record cards contain Notices to Mariners for a chart of a particular number which at different times covered two, or more, different areas. Some cards have got more than one number written in the top right hand corner, and, confusingly, different chart numbers written elsewhere on the card. To help resolve this confusion a spreadsheet was created showing the card number showing where these previous and additional numbers appear. Therefore if you are looking for chart “Misc 1234” but there is no card, the spreadsheet will tell you to look at card “F5678”, as this is the last number it was given.

The first five volumes in the **NMR 14** series have been conserved and digitised.

To cite record cards in this series, for the record card in Sub-series 1 for chart 1234 please quote **NMR 5/1/1234** Chart Histories record card number 1234, followed by the date of the corrections where appropriate.¹¹⁸

NMR 1	Green Standard ledgers, c. 1987-1991
NMR 2	Journal for Engraving and Corrections of Charts, 1861-1915
NMR 3	Index to Engraving Journals and Chart Corrections, 1866-1936
NMR 4	History of Charts, c. 1906-1914
NMR 5	Chart Histories ledgers, 1904 - late 20 th century
NMR 6	Fleet Notices to Mariners Journal, 1939-1975
NMR 7	Admiralty Notices to Mariners Journal, 1965-1991
NMR 8	Red Standard chart records, c. 1953-1985
NMR 9	Air Chart correction records, 1939-1965
NMR 10	Admiralty Air Notices, 1918-1966
NMR 11	Mine Warnings to Mariners, 1918-1929

¹¹⁸ Ex inf Dr Adrian Webb, 2017.

NMR 12	Bi-Monthly Notices to Mariners, 1877-1910
NMR 13	Corporation of Trinity House and Other Notices to Mariners, 1841-1852
NMR 14	Admiralty Notices to Mariners, 1834-2016
NMR 15	Fleet Notices to Mariners, 1911-2016
NMR 16	Annual Summary of Admiralty Notices to Mariners, 1976-2016
NMR 17	Summary of Fleet Auxiliaries Notices to Mariners, 1915-1957
NMR 18	Cumulative Notices to Mariners, 1987-2016
NMR 19	Small Craft Notices to Mariners, 1978-2016
NMR 20	Weekly Notices to Mariners, 1990-2016
NMR 21	Notices to Mariners reports, 1978
NMR 22	Navigational warnings, 1951-1971
NMR 23	Secret navigational warnings, World War II, c. 1940-1947
NMR 24	Register of registered files seen by Notices to Mariners Branch, 1937-1939
NMR 25	Navarea reprint logs and Hydrolants, 1974-1991
NMR 26	Green Standard: Tanganyika and Kenya, c. 1944

Related records:

OCB	Record copies of Admiralty charts ('old copy bundles')
ONM	Other notices to mariners records (non-UKHO)

NPR Nautical publications records

'Nautical publications' is the term used for pamphlets and books that were produced and printed by the Hydrographic Office. From 1833 until c. 1989 the Department used a HD reference on most of its book and pamphlet publications as a type of print code. In 1966 the HD reference was replaced with a NP reference, signifying a Nautical Publication. The NPR number allocated in this list is the same as the existing NP number. Therefore, the numbering in the list here has many gaps as not all of the publications were sent to the Archive, nor were all of the NP numbers allocated. **NPR 0** has been used for those publications that were not allocated either a HD or NP code. Some publications have been allocated the three letter prefix of the office they originated from and further details can be found under that collection heading. For example, **NPR 1-73** is listed with other Sailing Directions records under **SAR 1** as they were created by that branch.

Many of the earliest Departmental publications are held at the Admiralty Library, Portsmouth and elsewhere. For a list covering 1795-1808 see A.S. Cook, *Alexander Dalrymple (1737-1808)*, (PhD thesis, University of St. Andrews, 1992) and for the period 1808-1829 see A. J. Webb, *The Expansion of British Naval Hydrographic Administration 1808-1829*, (PhD thesis, Exeter, 2010).

- NPR 0/1** Dimensions of Docks at Home and Abroad and Dimensions of Graving Docks, Building Slips, Floating Basins etc, 1865-1882
- NPR 0/2** English Channel Handbook, 1943
- NPR 0/3** Pocket Tidal Stream Atlases, 1942-1946
- NPR 0/4** Supplement No. 3 to South East Asia Admiralty Tide and Tidal Stream Tables for the Year 1946, 1945
- NPR 0/5** Logarithmic Speed, Time and Distance Scale, 1960s
- NPR 0/6** North Sea Handbook, 1919
- NPR 1-73** *These are listed as SAR 1. See **SAR 1** for further information.*
- NPR 74-89** *These are listed as LLR 1. See **LLR 1** for further information.*
- NPR 91** Catalogue of Admiralty Charts Home Editions, 1962-1974
- NPR 95** Guide to Publications and Information Services, 1978-1985
- NPR 100** The Mariners' Handbook, 1962-2015
- NPR 105** Catalogue of Caribbean Standard Nautical Charts and Leisure Products, 2001-2010
- NPR 106** Catalogue of Mediterranean Standard Nautical Charts and Leisure Products, 2001-2010
- NPR 107** Catalogue of Scandinavian Standard Nautical Charts, 2001-2010
- NPR 109** NW Europe Standard Nautical Charts and Leisure Products Catalogue, 1979-2013
- NPR 109a** Catalogue of NW Europe Leisure Products, 1992-2005
- NPR 110** Catalogue of Admiralty Air Charts, 1970-1984
- NPR 111** Fleet Chart and Publications Catalogue, 1985-2007
- NPR 120** Admiralty Manual of Tides, 1941-1980
- NPR 121** *This is listed as **RSR 3**. See the entry for **RSR 3** for further information.*
- NPR 122** Admiralty Tidal Handbook, 1964-1986
- NPR 131** *This is listed as **CCP 1**. See the entry for **CCP 1** for further information.*

NPR 132	Numerical Supply List, 1965-1988
NPR 133	Hydrographic Supplies Handbook and Chart Correction Log/Paper Chart Maintenance Record, 1963-2014
NPR 134A	Admiralty Manual of Hydrographic Surveying, 1938-1965
NPR 134B	Admiralty Manual of Hydrographic Surveying, 1969-1982
NPR 135	General Instructions for Hydrographic Surveyors, 1877-1996
NPR 136	Ocean Passages for the World, 1895-2016
NPR 137	Helicopter Survey Photography. A Practical Handbook, undated [1960s-1980s]
NPR 139	Echo Sounding Correction Tables, 1939-1980
NPR 140	Views for Sailing Directions, 1980
NPR 145	Hydrographic Quality Assurance Instructions, 2001
NPR 150	Fisherman's Pilots: North Sea, 2001-2003
NPR 151	Fisherman's Pilots: North and West Scotland, 2002-2003
NPR 152	Fisherman's Pilots: Ireland and Irish Sea, 2002-2003
NPR 153	Fisherman's Pilots: Western Approaches, 2003
NPR 159	Admiralty Method of Tidal Prediction, 1975
NPR 160	Tidal Harmonic Constraints, 1990-2015
NPR 164	Dover Tide Tables, 2004-2016
NPR 167	Tidal Streams in the approaches to HM Naval Bases, 1991-2010
NPR 190	Admiralty Tide Tables for Yachtsmen: Isles of Scilly to Portland, 1994
NPR 191	Admiralty Tide Tables for Yachtsmen: Swanage to Chichester, 1994
NPR 192	Admiralty Tide Tables for Yachtsmen: Channel Islands and French Coast, 1994
<i>NPR 200-208</i>	<i>This is listed as TBR 15. See the entry for TBR 15 for further information.</i>
NPR 209	Admiralty Tidal Stream Atlas: Orkney and Shetland Islands, 1964-1986
NPR 214	Admiralty Co-Tidal Atlas: Persian Gulf, 1995-1999
NPR 215	Admiralty Co-Tidal Atlas: South East Asia, 1979
NPR 217	Admiralty Tidal Stream Atlas: Hong Kong, 1975

NPR 218	Admiralty Tidal Stream Atlas: North Coast of Ireland West Coast of Scotland, 1963-1995
NPR 219	Admiralty Tidal Stream Atlas: Portsmouth Harbour and Approaches, 1990-1991
NPR 220	Admiralty Tidal Stream Atlas: Rosyth Harbour and Approaches, 1990-1991
NPR 221	Admiralty Tidal Stream Atlas: Plymouth Harbour and Approaches, 1990-1991
NPR 222	Admiralty Tidal Stream Atlas: Firth of Clyde and Approaches, 1992
NPR 232	Admiralty Guide to ECDIS Implementation, Policy and Procedures, 2014
NPR 233	Admiralty Tidal Stream Atlas: Dover Strait, 1975-1995
NPR 235	<i>This is listed as NMR 18. See the entry for NMR 18 for further information.</i>
NPR 236	Tables of Natural Scale, 1971
NPR 239	Table of Meridional Parts, 1963
NPR 240	Spheroidal Tables, 1973
NPR 246	<i>This is listed as NMR 19. See the entry for NMR 19 for further information.</i>
NPR 247	<i>This is listed as NMR 16. See the entry for NMR 16 for further information.</i>
NPR 249	Admiralty Tidal Stream Atlas and Co-Tidal Charts: Thames Estuary, 1985
NPR 250	Admiralty Tidal Stream Atlas: The English Channel, 1973-1992
NPR 251	Admiralty Tidal Stream Atlas: North Sea Southern Part, 1976-2005
NPR 252	Admiralty Tidal Stream Atlas: North Sea North Western Part, 1963-2005
NPR 253	Admiralty Tidal Stream Atlas: North Sea Eastern Part, 1978-2004
NPR 254	Admiralty Tidal Stream Atlas: The West Country, 2003
NPR 255	Admiralty Tidal Stream Atlas: Falmouth to Padstow including Isles of Scilly, 2004
NPR 256	Admiralty Tidal Stream Atlas: Irish Sea and British Channel, 1962-1992
NPR 257	Admiralty Tidal Stream Atlas: Approaches to Portland, 1973
NPR 258	Admiralty Tidal Stream Atlas: Bristol Channel, 2006
NPR 259	Admiralty Tidal Stream Atlas: Irish Sea Eastern Part, 2006
NPR 263	Admiralty Tidal Stream Atlas: Lyme Bay, 2003
NPR 264	Admiralty Tidal Stream Atlas: Channel Islands, 1984-1993

- NPR 265** Admiralty Tidal Stream Atlas: France West Coast, 1978-2005
- NPR 273** NEMEDRI, 1961-1968
- NPR 274** Loran-C and Decca Navigation, 1986
- NPR 275** *This is listed as **RSR 1, RSR 3, RSR 7, RSR 8, and RSR 9**. See the entries for **RSR 1, RSR 3, RSR 7, RSR 8, and RSR 9** for further information.*
- NPR 280** *This is listed as **RSR 1 and RSR 5**. See the entries for **RSR 1 and RSR 5** for further information.*
- NPR 281** *This is listed as **RSR 1, RSR 3 and RSR 4**. See the entries for **RSR 1, RSR 3 and RSR 4** for further information.*
- NPR 282** *This is listed as **RSR 1, RSR 3, RSR 4 and RSR 7**. See the entries for **RSR 1, RSR 3, RSR 4 and RSR 7** for further information.*
- NPR 283** *This is listed as **RSR 1, RSR 3, RSR 4 and RSR 8**. See the entries for **RSR 1, RSR 3, RSR 4 and RSR 8** for further information.*
- NPR 284** *This is listed as **RSR 1, RSR 3 and RSR 4**. See the entries for **RSR 1, RSR 3 and RSR 4** for further information.*
- NPR 285** *This is listed as **RSR 1, RSR 3, RSR 4 and RSR 9**. See the entries for **RSR 1, RSR 3, RSR 4 and RSR 9** for further information.*
- NPR 286** *This is listed as **RSR 1, RSR 3, RSR 4 and RSR 10**. See the entries for **RSR 1, RSR 3, RSR 4 and RSR 10** for further information.*
- NPR 287** *This is listed as **RSR 1 and RSR 3**. See the entries for **RSR 1 and RSR 3** for further information.*
- NPR 288** *This is listed as **RSR 1**. See the entry for **RSR 1** for further information.*
- NPR 289** *This is listed as **RSR 1**. See the entry for **RSR 1** for further information.*
- NPR 290** *This is listed as **RSR 1**. See the entry for **RSR 1** for further information.*
- NPR 291** *This is listed as **RSR 1**. See the entry for **RSR 1** for further information.*
- NPR 294** How to correct your chart the Admiralty Way and How to keep your Admiralty products up-to-date, 1997-2016
- NPR 301** Rising and Setting Diagrams for High Northern Latitudes, 1952
- NPR 303** *This is listed as **NAO 2**. See the entry for **NAO 2** for further information.*
- NPR 314** *This is listed as **NAO 2**. See the entry for **NAO 2** for further information.*
- NPR 321** *This is listed as **NAO 2**. See the entry for **NAO 2** for further information.*

NPR 323	Star Finder and Identifier, 1970
NPR 337	Admiralty Tidal Stream Atlas: The Solent, 1993
NPR 350(1)	Admiralty Distance Tables: Atlantic Ocean, 1976-2003
NPR 350(2)	Admiralty Distance Tables: Indian Ocean, 1978-2007
NPR 350(3)	Admiralty Distance Tables: Pacific Ocean, 1984-2009
NPR 351	Admiralty Distance Tables: North and West Coasts of Europe, 1915-1950
NPR 352	Admiralty Distance Tables: Mediterranean, Black and Red Seas, 1911-1949
NPR 353	Admiralty Distance Tables: Eastern Shore of the Atlantic Ocean and the Indian Ocean, 1913-1950
NPR 354	Admiralty Distance Tables: Western Shores of the Atlantic Ocean, 1916-1951
NPR 355	Admiralty Distance Tables: Pacific Ocean, 1919-1953
NPR 399A	Sight Form, 1987
NPR 401	<i>This is listed as NAO 2. See the entry for NAO 2 for further information.</i>
NPR 438A	Weather on the Australia Station, 1942
NPR 438B	Weather on the Australia Station, 1942
NPR 439	Naval Oceanography and Meteorology Memoranda: An Icing Climatology for Helicopters, 1985
NPR 462	Forecasters' Reference Book, undated
NPR 486A	Naval Oceanography and Meteorology Memoranda: Forecasting Sea, Swell and Surf and The Effects of the Environment on Radio and Radar Wave Propagation, 1984-1994
NPR 486B	Naval Oceanography and Meteorology Memoranda: A Synoptic Meteorology of the Tropical Oceans, 1988
NPR 490	Naval Oceanography and Meteorology Memoranda: Guide to Oceanographic Publications and Charts, 1984
NPR 522	Underwater Handbook: Tidal Stream Supplement 'Waters Adjacent to the British Isles', 1985
NPR 620	Underwater Handbook, 1965
NPR 621	Companion Volume, Underwater Handbook Series: Oceanography and Underwater Sound for Naval Application, 1968
NPR 628	Sea Surface Current Chart, c. 1997

NPR 629	Strait of Gibraltar (Water Movements), 1944
NPR 640	Oceanographic Atlas of the Polar Seas, 1957
NPR 641	Reproduction of official German Naval Atlas of Sea Water Density Conditions, 1943
NPR 644	Mediterranean Sea- Temperature and salinity of the water, 1943
NPR 683	Marine Magnetic Surveying prepared by Geophysics Section UKHO, undated
NPR 688	BUTEC Raasay Range, 1976
NPR 720	Table of Converting Metres into Feet and Fathoms, 1932-1973
NPR 727	Wallet Containing Ships' Boats' and Charts' Drawing Materials, 1975-2014
NPR 730	NEMEDRI, 1968
NPR 731	CHINPACS, 1968
NPR 735	IALA Maritime Buoyage System, 1980-2012
NPR 750	The Royal Naval Surveying Service 1920-1960, Vice Admiral Sir Archibald Day, 1972
NPR 760	Hydrographic Chart Raster Format, 1994

Related records:

CCP	Catalogues of printed charts and publications
LLR	Lights Lists records
NAO	Her Majesty's Nautical Almanac Office
NMR	Notices to mariners records
RSR	Radio Signals records
TBR	Tidal Branch records

OAW Original artwork

This series contains artwork not created specifically for navigation purposes. Surveyors and civilian staff on board ship were trained to provide navigational information through artwork, diagrams and textual records. Some naval officers recorded extra information which was not required for chart making or sailing direction updates, but for reporting purposes on the events and encounters of the

voyage.¹¹⁹ Very little of this type of material survives in the archive. Some usually relates to depictions of survey vessels.

Another piece of original artwork previously held at the UKHO Archive, *The formation of the British Fleet at the Battle of Copenhagen*, by William Bligh (1801) is now held at The National Archives, ref: ADM 345.

OAW 1 Sketches of scenery on North West coast of America by John Sykes, c. 1792

OCB Record copies of Admiralty charts ('old copy bundles')

The main series of record copies of printed Admiralty charts held at the HO is known as the 'old copy bundles'. They were arranged by N. Atherton, Chief Cartographer, between 1934 and 1958. These bundles do not contain every state of every Admiralty chart that has ever been printed since 1800. Nor do they contain every new chart or new edition, especially during the early nineteenth century and throughout the Second World War.¹²⁰

Many charts published prior to 1850 that are not found in the HO archive can be found at the BL, NMM, RGS and major overseas libraries. A detailed study of charts from 1800 to 1808 can be found in Dr Andrew Cook's thesis on Alexander Dalrymple.¹²¹ Charts were not given Arabic numbers (as they are today) until 1839, subsequently searching for charts withdrawn before this date cannot be done by chart number but by its title.

Following the copyright Act of 1842, copies of every chart published, except those issued only to the Fleet, were sent to the British Museum and to the other designated authorities. The British Museum already held most of the charts published before that date. The Department did not retain copies of its own charts until 1879.¹²² At first new charts were given 'office mark' numbers, listed in the chronological *Catalogue of Admiralty charts* and retained on a new shelf. In 1879 that system was revised and the record copy was not given an 'office mark' but kept under its own number and listed in a separate Curator's copy of the chart catalogue. In 1881 the original record charts of 1878 were included under their chart numbers. This was the beginning of the 'Old Copy Bundle' series.¹²³ Consequently there are no record copies of some of the earlier charts. Becher even used some charts as wrappers for other documents as part of his archiving process, only some of which have survived (see **OCB 102** for an example).

¹¹⁹ The National Archives, Discovery, ADM 345, <<http://discovery.nationalarchives.gov.uk/details/r/C16281>>, (viewed 12/10/2016).

¹²⁰ Webb, *Charting Procedures and Standards*, section 0002.2.

¹²¹ Ex inf Dr Adrian Webb, 2017.

¹²² Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.30.

¹²³ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, pp.47-48.

Since its foundation, the Hydrographic Office has supplied charts to the Navy. The first printed chart with a HO imprint is dated November 1800. Before 1821 charts were designed mainly for the use of HM ships. They are kept up to date by Fleet Notices to Mariners (see **NMR** Notices to Mariners for more information). After fifty years have expired all Fleet charts are declassified. The collection of Fleet charts and letter prefixed charts has been partially catalogued; as of 2017 this catalogue contained over 70,000 entries.

The first 'D' charts were issued in 1890.¹²⁴ From 1895 onwards a small number of miscellaneous diagrams were produced, some of which were for use within the Department and others of more general utility were on general sale to the public. These were known as 'X' charts.¹²⁵ The first 'F' Fleet navigational charts were issued in 1905.¹²⁶

During the First World War a number of additional categories of charts were introduced. The prefix 'X' had been used for diagrams on sale since 1896, but in December 1914 it was adopted for those not on sale, others being prefixed 'D'.¹²⁷ There was a subdivision of 'X' charts in 1917 due to their increasing number and diverse character. 'Y' prefix was given to 'X' charts which were of a confidential but not excessively secret nature and secret 'X' charts were renumbered as 'Z' charts.¹²⁸ 'OXO' charts were also introduced after being instigated by the Director of Naval Intelligence.¹²⁹

Air charts were first produced in December 1914 in strip form for the use of coastal patrolling airships and seaplanes (**ART 11**). In 1917, when some pilots in the RNAS preferred to use cuttings of Admiralty charts, it became clear they needed something more tailored and specific. This led to the production of a new type of chart, for which Admiralty charts were used as the basis.¹³⁰

Submarine or 'S' charts were produced during the First World War to provide as much information as possible on the nature of the bottom. 'TS' (Tidal Submarine) and 'DS' (Density) charts were also introduced.¹³¹

The Department also prepared Telegraph charts, on which were plotted all known information regarding the positions of the various submarine cables, whatever their ownership, in all parts of the world. This information was of a secret nature and as such was not given on Admiralty charts.¹³²

'P' charts were produced soon after the armistice for the special requirements of the Peace Conference.¹³³ By the end of the First World War almost all the letters from 'A' (Air Charts) to 'Z'

¹²⁴ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.59.

¹²⁵ *War Work of the Hydrographic Department*, p.14.

¹²⁶ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, pp.59-60.

¹²⁷ Day, *The Admiralty Hydrographic Service*, pp.296-298.

¹²⁸ *War Work of the Hydrographic Department*, pp.31-34.

¹²⁹ Day, *The Admiralty Hydrographic Service*, pp.296-298.

¹³⁰ Day, *The Admiralty Hydrographic Service*, pp.296-298.

¹³¹ Day, *The Admiralty Hydrographic Service*, pp.296-298 and *War Work of the Hydrographic Department*, pp.48-49.

¹³² *War Work of the Hydrographic Department*, p.52.

(Most Secret Charts) were in use.¹³⁴ Some of the classified charts produced during the Second World War, each of which were consecutively numbered and later officially destroyed, were never included in the collection of record copies and it is not now possible to sight a record copy of every chart issued during that period.¹³⁵

Each record copy of an Admiralty chart in the OCB series held at the UKHO has a unique reference. This reference is made up of three elements: the chart number, the new chart series and the number within the series e.g. OCB 1234 B1.¹³⁶ Every time a chart was revised and a new chart issued a new series letter was started. Numbers were allocated up to chart number 19000.¹³⁷

There is no complete listing of all the Admiralty charts held at the UKHO. An incomplete spreadsheet of charts in this series is available that contains 68,000 charts in the numbered series.

All the charts published before June 2008 that were archived and placed in the OCB series are available on microfilm (**CPY 9**) in the Research Room. Since June 2008 microfilming has stopped but chart images are held electronically. Images are digital tiffs, produced as part of the normal chart production process and are in SDRA, which members of staff can access.

OCB 1-19000 Standard navigational charts

Related records:

AAC	Additional Admiralty charts (<u>not in the standard numbered OCB series known as the 'old copy bundles'</u>)
CCP	Catalogues of printed charts and publications
NMR 2	Journal for Engraving and Corrections of Charts
NMR 3	Index to Engraving Journals and Chart Corrections
NMR 4	History of Charts
NMR 5	Chart Histories ledgers
OPC	Other printed charts and maps (non-Admiralty)

¹³³ *War Work of the Hydrographic Department*, p.53.

¹³⁴ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.60.

¹³⁵ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.77.

¹³⁶ Webb, *Charting Procedures and Standards*, section 002.2.

¹³⁷ Ex inf Dr Adrian Webb, 2017.

OCC **Other printed chart catalogues (non UKHO)**

This is a collection of foreign government and commercial chart catalogues received in the HO from 1944 to 2015. Many of the catalogues were annotated by staff in the chart branches with details of new editions, cancellations and reprints.

Foreign government charts from before 1944 can be found in the 'Original Document' series (also known as surveys). Each one has a unique reference number, usually a capital letter followed by a four-figure number e.g. C4695.

OCC 1	Foreign governments' chart catalogues, 1903-2018
OCC 1/1	Foreign governments' chart catalogues - Algeria, 1985, 1998
OCC 1/2	Foreign governments' chart catalogues - Argentina, 1989-1990, 1998, 2001, 2004, 2007
OCC 1/3	Foreign governments' chart catalogues - Australia, 1992, 1994-2001, 2003-2009
OCC 1/4	Foreign governments' chart catalogues - Bahamas, undated
OCC 1/5	Foreign governments' chart catalogues - Bahrain, 1996, 2008
OCC 1/6	Foreign governments' chart catalogues - Bangladesh, undated
OCC 1/7	Foreign governments' chart catalogues - Belgium, 1986, 1989, 1996, 2002, 2004-2006, 2009, c. 2010, 2012
OCC 1/8	Foreign governments' chart catalogues - Brazil, 1993, 2008
OCC 1/9	Foreign governments' chart catalogues - Bulgaria, 2018
OCC 1/10	Foreign governments' chart catalogues - Burma, 1961
OCC 1/11	Foreign governments' chart catalogues - Canada, 1989, 1992, 1994-1998, 2001-2003
OCC 1/12	Foreign governments' chart catalogues - Chile, 1991, 1996, 2000-2002, 2005-2006
OCC 1/13	Foreign governments' chart catalogues - China, 1986-1987, 1990, 1994, 2002, 2005, 2007-2013, 2015-2018
OCC 1/14	Foreign governments' chart catalogues - Colombia, 1997, c. 2004
OCC 1/15	Foreign governments' chart catalogues - Croatia, 1994, 1998, 2001, 2006, 2008, 2016-2017
OCC 1/16	Foreign governments' chart catalogues - Cuba, 1984, 1986, 1993, 1995, 2004

- OCC 1/17** Foreign governments' chart catalogues - Denmark, Greenland and Faroes, 1991, 1993, 1996-2004, 2007-2009
- OCC 1/18** Foreign governments' chart catalogues - Ecuador, 1990, 1999
- OCC 1/19** Foreign governments' chart catalogues - Dominican Republic, c. 1961
- OCC 1/20** Foreign governments' chart catalogues - Egypt, 2000
- OCC 1/21** Foreign governments' chart catalogues - Estonia, 1994, 2001-2002, 2012
- OCC 1/22** Foreign governments' chart catalogues - Fiji, 1992
- OCC 1/23** Foreign governments' chart catalogues - Finland, 1995, 2001, 2003-2005, 2009
- OCC 1/24** Foreign governments' chart catalogues - France, 1984, 1992, 1995-2000, 2002-2012, 2014-2015
- OCC 1/25** Foreign governments' chart catalogues - Germany, 1997, 1999, 2001, 2003-2004, 2006-2013, 2018
- OCC 1/26** Foreign governments' chart catalogues - Greece, 1991, 1999, 2007
- OCC 1/27** Foreign governments' chart catalogues - Hong Kong, 2009, 2016
- OCC 1/28** Foreign governments' chart catalogues - Iceland, 1982, 1995, 1997-2000, 2002-2004, 2006, 2008, 2010
- OCC 1/29** Foreign governments' chart catalogues - India, 1986, 2002, 2004, 2007
- OCC 1/30** Foreign governments' chart catalogues - Israel, c. 1963
- OCC 1/31** Foreign governments' chart catalogues - Indonesia, 1986, 1995-1996, 2000, 2002, 2004
- OCC 1/32** Foreign governments' chart catalogues - Italy, 1986, 1997, 1999, 2001, 2003, 2005, 2006, 2008-2009, 2012-2013, 2015-2016
- OCC 1/33** Foreign governments' chart catalogues - Japan, 1982, 1994-2013, 2015-2016
- OCC 1/34** Foreign governments' chart catalogues - Korea, 1991, 1996, 2000-2001, 2006, 2008, 2012, 2015
- OCC 1/35** Foreign governments' chart catalogues - Kuwait, c. 2002
- OCC 1/36** Foreign governments' chart catalogues - Latvia, 1995, 1998, 2002, 2004-2005, 2007-2010
- OCC 1/37** Foreign governments' chart catalogues - Malaysia, 1996, 1999, 2004-2005
- OCC 1/38** Foreign governments' chart catalogues - Mexico, 1993

- OCC 1/39** Foreign governments' chart catalogues - Morocco, 1958, 1986
- OCC 1/40** Foreign governments' chart catalogues - Mozambique, 2007
- OCC 1/41** Foreign governments' chart catalogues - Netherlands, 1996-2001, 2003, 2005, 2007-2010
- OCC 1/42** Foreign governments' chart catalogues - New Zealand, 1991, 1997-1999, 2001-2002, 2005-2006
- OCC 1/43** Foreign governments' chart catalogues - Norway, 1990-1991, 1996, 1998, 2000, 2004-2008
- OCC 1/44** Foreign governments' chart catalogues - Oman, 2004, 2009, 2017
- OCC 1/45** Foreign governments' chart catalogues - Pakistan, c. 2001-2007
- OCC 1/46** Foreign governments' chart catalogues - Peru, 1986, 2003
- OCC 1/47** Foreign governments' chart catalogues - Philippines, 1999, 2006
- OCC 1/48** Foreign governments' chart catalogues - Poland, 1984, 1992, 2000, 2002, 2004, 2007
- OCC 1/49** Foreign governments' chart catalogues - Portugal, 1903, 1961, 1977, 1988, 1994, 1996-2005, 2007, 2009, 2010, 2013
- OCC 1/50** Foreign governments' chart catalogues - Romania, 1994, 2002, 2006
- OCC 1/51** Foreign governments' chart catalogues - Russia, 1979, 1985, 1992, 1994-1995, 1997-2001, 2003, 2005-2009
- OCC 1/52** Foreign governments' chart catalogues - Sarawak, 2003
- OCC 1/53** Foreign governments' chart catalogues - Saudi Arabia, c. 2008
- OCC 1/54** Foreign governments' chart catalogues - Singapore, 2010
- OCC 1/55** Foreign governments' chart catalogues - Solomon Islands, c. 1970s
- OCC 1/56** Foreign governments' chart catalogues - Slovenia 2001, c. 2007
- OCC 1/57** Foreign governments' chart catalogues - South Africa, 1991, 1996, 1998-2000, 2004, 2009
- OCC 1/58** Foreign governments' chart catalogues - Spain, 1989, 1991, 1995, 1997, 2000-2002, 2004, 2007, 2009, 2011, 2013-2018
- OCC 1/59** Foreign governments' chart catalogues - Sri Lanka, 2009
- OCC 1/60** Foreign governments' chart catalogues - Sweden, 1995, 1997, 2000-2001, 2003, 2005-2006, 2008-2009, 2014

- OCC 1/61** Foreign governments' chart catalogues - Taiwan, 1992, 2009, 2015
- OCC 1/62** Foreign governments' chart catalogues - Thailand, 1942, 1978-1979, 1991, 1996-1997, 1999, c. 2003-2007
- OCC 1/63** Foreign governments' chart catalogues - Turkey, 1993-1994, 2000, 2003-2004, 2009
- OCC 1/64** Foreign governments' chart catalogues - Ukraine, 2003, 2009
- OCC 1/65** Foreign governments' chart catalogues - Uruguay, 1995, 2003, 2016
- OCC 1/66** Foreign governments' chart catalogues - United States of America, 1987-1988, 1990-1991, 1995-2000, 2002, 2004-2006
- OCC 1/66A** Foreign governments' chart catalogues - Vietnam, 2017
- OCC 1/67** Foreign governments' chart catalogues - Venezuela, 1986, c. 2005-2006
- OCC 1/68** Foreign governments' chart catalogues - Yugoslavia, 1990
- OCC 1/69** Foreign governments' chart catalogues - Unidentified country, undated
- OCC 2** Other chart catalogue suppliers, 1993-2002
 - OCC 2/1** Other chart catalogue suppliers - Imray charts, 1994, 1997, 2001-2002
 - OCC 2/2** Other chart catalogue suppliers - Ordnance Survey of Northern Ireland catalogue, 1996
 - OCC 2/3** International Hydrographers Organisation Catalogue of International Chart Guidance for Regional Coordinators, 1993
 - OCC 2/4** Other chart catalogue suppliers - Stanfords, 2002
 - OCC 2/5** Other chart catalogue suppliers - Kingfisher, 1994

Related records:

CCP Catalogues of printed charts and publications

OCG Official corporate gifts

This is a collection of gifts presented in an official capacity to the Hydrographic Office and its staff. They are mainly from foreign hydrographic services and include books, paintings, medals and other objects. The majority date from the 1990s to the present [2019].

Related records:

ART Artifacts

OCS Cancelled and superseded Foreign Government Symbols, Abbreviations and Terms used on charts

OCS 1 Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts, 1904-2015

OCS 1/1 Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Algeria, 1981

OCS 1/2 Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Argentina, 1998, 1990

OCS 1/3 Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Belgium, 1986, 1989

OCS 1/4 Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Brazil, 1982

OCS 1/5 Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Canada, 1984, 1988, 1992, 1996, 2004

OCS 1/6 Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Chile, 1995

OCS 1/7 Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – China, including Hong Kong and Singapore, 1986, c.1989, 1997, 1990, 1998, 2006, 2010

OCS 1/8 Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Colombia, 1997

OCS 1/9 Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Croatia, 1988, 2002

OCS 1/10	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Cuba, 1976
OCS 1/11	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Denmark, 1986, 1991, 2000, 2004, 2007, 2008
OCS 1/11A	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Estonia, 1995
OCS 1/12	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Finland, 1991, 1995, 2001, 2003
OCS 1/13	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – France, 1965, 1984, 1992, 1996, 2002, 2006, 2012, 2016
OCS 1/14	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Germany, 1904, 1983, 1987, 1989, 1996, 2005, 2008, 2011, 2015
OCS 1/15	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Greece, 1951, 1987
OCS 1/16	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Iceland, 2001
OCS 1/17	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – India, 1980
OCS 1/18	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Indonesia, 1986
OCS 1/19	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Italy, 1980, 1984, 1987, 1991, 1992, 1996, 2001, 2006
OCS 1/20	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Japan, 1987
OCS 1/21	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Korea, 1996, 1999, 2001, 2006, 2012
OCS 1/22	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Latvia, 2001
OCS 1/22A	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Mexico, 2013
OCS 1/23	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Netherlands, 1981
OCS 1/24	Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Norway, 1980, 1990, 1997, 2002, 2013

- OCS 1/25** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Peru, 1985
- OCS 1/26** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Poland, 1970, 1977, 1984, 1994, 2004, 2006
- OCS 1/27** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Portugal, 1961, 1977, 1996, 2003, 2013
- OCS 1/28** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Romania, 1985
- OCS 1/29** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Russia, 1933, 1964, 1971, 1985, 2005
- OCS 1/30** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Slovenia, undated
- OCS 1/31** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – South Africa, 1990, 1995, 1998, 2002
- OCS 1/32** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Spain, 1955, 1969, 1983, 1993, 2002, 2007-2008, 2011, 2015
- OCS 1/33** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Sweden, 1980, 1985, 1986, 1990, 1998, 2005, 2008
- OCS 1/34** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Taiwan, 1987, 1992, 1995
- OCS 1/35** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Thailand, 1942, 1965, 1989
- OCS 1/36** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Turkey, 1963, 1967, 1982, 1988, 1989, 1992, 1994, 1998
- OCS 1/37** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – United States of America, 1968, 1975, 1984, 1990, 1997
- OCS 1/38** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – Yugoslavia, 1974, 1988, 1989
- OCS 1/39** International Hydrographic Bureau

Including Glossary of Cartographic Terms, Manual of Symbols and Abbreviations and Yearbook, 1951-1997
- OCS 1/40** Cancelled Foreign Government Symbols, Abbreviations and Terms used on charts – unidentified country [Arabic script], undated

OCY **Oceanography records**

An interest in oceanography and the Royal Navy can be traced back to the seventeenth century. In the early nineteenth century many officers were practicing elements of oceanography and under Beaufort this expanded. However, the identification of oceanography as a discipline in its own right by the Admiralty did not materialise until the mid-nineteenth century.¹³⁸ In many ways, the pure science of oceanography can be said to have emerged from the world voyage of *Challenger* from 1872-1876.¹³⁹

Despite remaining an interest of the Hydrographic Office from the nineteenth century, it was not until the inter-war years that oceanography came to the fore. In 1929-1930 it was proposed to build a special oceanographical surveying vessel. Consequently HMS *Challenger* was launched on 1 June 1931 and completed in November of that year.¹⁴⁰

In c.1945 a dedicated Oceanographic Branch was created.¹⁴¹ In 1968 all staff from the Cricklewood site relocated to Taunton. Following the move, Chart Branch was organised into eight Nautical Chart Branches and seven Marine Science Branches, one with a responsibility for oceanography.¹⁴²

The British Oceanographic Data Centre was established at Cricklewood in the 1960s following innovations in equipment which, it was hoped, would greatly increase the volume of data available.¹⁴³

- OCY 1** Incoming data, 1960s
- OCY 2** Unpublished scientific reports produced by the German Hydrographic Institute, Hamburg, 1946
- OCY 3** Films of the sea bed and related papers, c. 1946-c. 1950s
- OCY 4** V 84 Bottom Topography of the North Atlantic Ocean, 1975 Special Publication, 1975

¹³⁸ Webb *The Expansion of British Naval Hydrographic Administration*, p.182.

¹³⁹ Morris, *Charts and Surveys in Peace and War*, p.15.

¹⁴⁰ Morris, *Charts and Surveys in Peace and War*, p.31.

¹⁴¹ Morris, *Charts and Surveys in Peace and War*, p.153.

¹⁴² Morris, *Charts and Surveys in Peace and War*, p.213.

¹⁴³ Morris, *Charts and Surveys in Peace and War*, p.208.

Related records:

- OCB** Published Admiralty Charts
- SFD 5** Survey field data: oceanographic data
- H** Registered Files

OD Original Documents

This collection comprises documents (mainly sailing directions) and remark books from which considerable information was used for compiling sailing directions. This collection should not be confused with the same term given to charts, maps and surveys accessioned by curators and termed 'original documents'. Many of these documents were written by surveying officers during the course of their surveys. The term 'Original Documents' was given by the Sailing Directions Branch and some of these documents pre-date the formation of this branch.

A list is available on request.

OD Original Documents, c. 1790-c. 1953

Related records:

- MP** Miscellaneous Papers (Remark Books)

ONM Other notices to mariners records (non-UKHO)

Historically, the British Admiralty was the second (the French being the first) to issue official notices to mariners, but the number of countries producing them gradually increased.¹⁴⁴ This collection contains non-British Admiralty notices to mariners.

Prior to the 1960s it appears that notices to mariners received in the Department were filed in the registered files system (H series). After this, runs of continuous notices to mariners were maintained until 2006. In 2006 notices to mariners were stored electronically in the Source Data Receipt and Acquisition (SDRA) system.¹⁴⁵

¹⁴⁴ Webb, *Charting Procedures and Standards*, section 0002.4.

¹⁴⁵ Ex inf Dr Adrian Webb, August 2016.

- ONM 1** Foreign governments, 1968-2006
- ONM 2** Port authorities, 1976-2006
- ONM 3** Commercial organisations, c. 1974-1988

Related records:

- MLP** Miscellaneous Letters and Papers
- H** Registered files
- HH** Registered files
- S Papers** S papers, containing notices from Trinity House from 1805 to c. 1900
- SAR 11** PADS series, including Trinity House notices

OPC Other printed charts and maps (non-Admiralty)

By the late nineteenth century, the miscellaneous collection of maps and charts held in the Hydrographic Office by the Curator was developing into a comprehensive Empire coastal map library. Many maps of other countries were by this time kept in a separate Map Section.¹⁴⁶

‘In almost all of the countries of Europe and America, the coastal marine survey was completed and the national charts were published many years before the completion of the land survey and the publication of comprehensive topographical maps. Elsewhere in the world the early charts were also the only ‘maps’ available until the establishment, much later, of National Land survey offices. By 1910 accurate national maps were being published of the coastal areas of almost the whole world.’¹⁴⁷

This collection includes foreign government charts. In 1916 it was proposed that all foreign government charts should be recorded under their own chart number. At the time there were more than six thousand held. When new editions were received the chart was withdrawn from the foreign chart shelf and replaced by the newer edition, the earlier (withdrawn) copy being sent for reference purposes to the relevant drawing office station. If the chart was superseded, then the previous edition was scrapped.¹⁴⁸

¹⁴⁶ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.63.

¹⁴⁷ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.63.

¹⁴⁸ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, pp.61-62.

Some of these charts that had been sent to the relevant drawing office for reference purposes, were retrieved in the 2010s and brought back to the Archive. With agreement with the UKHO's client manager at TNA any chart published before 1950 was retained. A business decision to keep selected charts from 1950-2005 was made, but these charts will eventually be destroyed.

OPC 1	United States field sheets, 1940s-1980s
OPC 2	Second World War silk maps produced by United States HO, c. 1939-1945
OPC 3	Battle of Jutland published charts and dispatches, 1915
OPC 4	Second World War Japan field charts, c. 1939-1945
OPC 5	Granby campaign map, 1990-1991
OPC 6	Albert Close charts, 1928-1964
OPC 7	Number not used
OPC 8	World War Two Russian charts, 1940-1943
OPC 9	North Star charts, 1941
OPC 10	General Staff, Geographic Section (GSGS), maps, c. 1943-c. 1944
OPC 11	Silk maps of Europe, c. 1939-1945
OPC 12	Southern hemisphere surface weather maps, 1949
OPC 13	International Antarctic Analysis microfilms, 1959
OPC 14	Pre-1950 foreign government charts
OPC/14/1/1-33	Argentina numbers 2a-94, 1928-1950
OPC/14/2/1	Australia numbers 570, 1944
OPC/14/3/1-13	Chile numbers H-10325, 1943-1951
OPC/14/4/1-18	Denmark numbers 13a-90, 1907-1948
OPC/14/5/1-12	Estonia numbers 22-38, 1922-1934
OPC/14/6/1-154	France numbers 913-5999, 1883-1951
OPC/14/7/1-12	Germany numbers 212-1154, 1902-1935
OPC/14/8/1-33	Italy numbers 0308-1401, 1913-1942
OPC/14/9/1-51	Indonesia numbers 28-374, 1909-1954
OPC/14/10/1-179	Japan numbers 84-10095, c. 1910-c. 1944
OPC/14/11/1-3	Latvia numbers 1-3, 1931-1934

OPC/14/12/1-18	Netherlands numbers 23-3273, 1913-1923
OPC/14/13/1-9	Portugal numbers 9-410, 1916-1935
OPC/14/14/1-16	Russia numbers 955-1609, 1916-1937
OPC 14/15/1-6	Spain numbers 51-234a, 1867-1927
OPC 14/16/1-49	United States of America numbers 101-5781, 1920-1949
OPC 15	Chinese Maritime Customs Charts no. 201-288, published by order of the Inspector General of Customs China, Upper Yangtze River Ichang to Chungking, 1920-1927 and Taiwanese Maritime Customs numbers 16-267
OPC 16	German Charts
OPC 16/1	Pre-1950 German Charts, 1941-1943
OPC 16/2	German gridded charts, 1925-1941
OPC 16/3	Reproductions of German Charts, 1910-1914, numbers 5-250
OPC 17	Charts by A. Arrowsmith, 1809-1866
OPC 18	Tenix LADS Lidar survey of Crossapol Bay, Scotland, 2003
OPC 19	Ice Atlas of the Northern Hemisphere, 1946, published by Hydrographic Office of U.S. Navy
OPC 20	Map of North Greenland, 1: 300 000, surveyed by Lauge Koch in 1917-1923, published by Geodetic Institute of Denmark, 1932
OPC 21	Natural Illumination Charts, Department of Navy Bureau of Ships, 1952
OPC 22	Charts produced by Civil Engineering Services Dept, Hong Kong and other Hong Kong agencies, 1986-1992
OPC 23	Maps of India and adjacent countries, Surveyor General of India, numbers 1-101, 1900s-1930s
OPC 24	Indian Atlas, Surveyor General of India, Includes index and quarter sheets numbers 1-128, 1873-1898
OPC 25	Maps of India, Surveyor General of India, 1900s-1930s
OPC 26	Ordnance Survey Map, Railway map of Austria-Hungary, 1916
OPC 27	Metropolitan Drainage Board, City of Hobart, Tasmania, Australia, Plans 31-33, 1912
OPC 28	Survey Department, Federation of Malaya, Port Swettenham (see also H07522/56), 1955

- OPC 29** Great Trigonometrical Survey of India, Government of India, 1873
- OPC 30** Service Géographique de L'Armée, [France?], Asia, 1901
- OPC 31** Madras Town [creator unknown] (see also H1896/1926), 1924
- OPC 32** Surveyor General 'FMS' [Federated Malay States] and 'SS' [Straits Settlements], Asia, (see also H3756/37, H2903/1925, H6413/1932, H1438/1923, H1086/1925, H2043/1934), 1920s-1930s
- OPC 33** Edward Stamford, Map of Cyprus, 1897
- OPC 34** W & A.K. Johnston Ltd, Plan of Edinburgh, 1913-1914
- OPC 35** Department of Interior, maps of Canada (H1586/33), 1929-1933
- OPC 36** Surveyor General of India, Iran and Iraq, numbers 3-40, with index sheet, 1925
- OPC 37** Surveyor General of India, Arabia, 1916
- OPC 38** Albert Bonniers Forlag, Stockholm, Sweden, c. 1917
- OPC 39** Maps of Lakes in Macedonia [unknown creator], 1902
- OPC 40** Unknown chart of Principle measurements of length in use in European States and scales of the most important maps published by the governments of European States, undated
- OPC 41** Maps of Eire and Northern Ireland, provisional edition [creator unknown] sheet numbers 2-35, undated
- OPC 42** Unknown producer states 'Published under the direction of the Hon'ble Colonel' of Arabia and Persian Gulf, c. 1914
- OPC 43** Gwynt y Môr Offshore Wind Farm, north Wales, N Power, 2007
- OPC 44** Imray charts, 1990s
- OPC 44/1** Imray Y charts, 1990s
- OPC 44/2** Imray C series charts, 1990s
- OPC 44/3** Imray A, B, D series charts, 1990s
- OPC 45** Stanford charts, 1990s

OPC 46

Cancelled Foreign Government Charts, 1950-1998

This series was extensively weeded in December 2018. All charts dated 1998 and later, as well as all charts with an RSDRA number were destroyed. All of these charts were either microfilmed and are available for viewing in the research room or they were scanned. However, all charts for Argentina, Chile, Indonesia, Portugal and the Philippines have been retained.

OPC 46/1 Cancelled Foreign Government Charts: Albania, c. 1950-1998

OPC 46/2 Cancelled Foreign Government Charts: Argentina, c. 1950-1998

OPC 46/3 Cancelled Foreign Government Charts: Australia, c. 1950-1998

OPC 46/4 Cancelled Foreign Government Charts: Bahrain, c. 1950-1998

OPC 46/5 Cancelled Foreign Government Charts: Bangladesh, c. 1950-1998

OPC 46/6 Cancelled Foreign Government Charts: Brazil, c. 1950-1998

OPC 46/7 Cancelled Foreign Government Charts: British Solomon Islands, c. 1950-1998

OPC 46/8 Cancelled Foreign Government Charts: Bulgaria, c. 1950-1998

OPC 46/9 Cancelled Foreign Government Charts: Canada, c. 1950-1998

OPC 46/10 Cancelled Foreign Government Charts: Chile, c. 1950-1998

OPC 46/11 Cancelled Foreign Government Charts: China, c. 1950-1998

OPC 46/12 Cancelled Foreign Government Charts: Colombia, c. 1950-1998

OPC 46/13 Cancelled Foreign Government Charts: Croatia, c. 1950-1998

OPC 46/14 Cancelled Foreign Government Charts: Cuba, c. 1950-1998

OPC 46/15 Cancelled Foreign Government Charts: Denmark, c. 1950-1998

OPC 46/16 Cancelled Foreign Government Charts: Dominica, c. 1950-1998

OPC 46/17 Cancelled Foreign Government Charts: Ecuador, c. 1950-1998

OPC 46/18 Cancelled Foreign Government Charts: Egypt, c. 1950-1998

OPC 46/19 Cancelled Foreign Government Charts: El Salvador, c. 1950-1998

OPC 46/20 Cancelled Foreign Government Charts: Estonia, c. 1950-1998

OPC 46/21 Cancelled Foreign Government Charts: Fiji, c. 1950-1998

OPC 46/22 Cancelled Foreign Government Charts: Finland, c. 1950-1998

OPC 46/23 Cancelled Foreign Government Charts: France, c. 1950-1998

OPC 46/24 Cancelled Foreign Government Charts: Germany, c. 1950-1998

OPC 46/25 Cancelled Foreign Government Charts: Greece, c. 1950-1998

OPC 46/26 Cancelled Foreign Government Charts: Iceland, c. 1950-1998

OPC 46/27 Cancelled Foreign Government Charts: India, c. 1950-1998

OPC 46/28 Cancelled Foreign Government Charts: Indonesia, c. 1950-1998

OPC 46/29 Cancelled Foreign Government Charts: Italy, c. 1950-1998

OPC 46/30 Cancelled Foreign Government Charts: Iran, c. 1950-1998

OPC 46/31 Cancelled Foreign Government Charts: Japan, c. 1950-1998

OPC 46/32 Cancelled Foreign Government Charts: Kuwait, c. 1950-1998

OPC 46/33 Cancelled Foreign Government Charts: Latvia, c. 1950-1998

OPC 46/34 Cancelled Foreign Government Charts: Malaysia, c. 1950-1998

OPC 46/35 Cancelled Foreign Government Charts: Mexico, c. 1950-1998

OPC 46/36 Cancelled Foreign Government Charts: Morocco, c. 1950-1998

OPC 46/37 Cancelled Foreign Government Charts: Mozambique, c. 1950-1998

OPC 46/38 Cancelled Foreign Government Charts: Netherlands, c. 1950-1998

OPC 46/39 Cancelled Foreign Government Charts: New Zealand, c. 1950-1998

OPC 46/40 Cancelled Foreign Government Charts: North Korea, c. 1950-1998

OPC 46/41 Cancelled Foreign Government Charts: Norway, c. 1950-1998

OPC 46/42 Cancelled Foreign Government Charts: Oman, c. 1950-1998

OPC 46/43 Cancelled Foreign Government Charts: Pakistan, c. 1950-1998

OPC 46/44 Cancelled Foreign Government Charts: Peru, c. 1950-1998

OPC 46/45 Cancelled Foreign Government Charts: Philippines, c. 1950-1998

OPC 46/46 Cancelled Foreign Government Charts: Poland, c. 1950-1998

OPC 46/47 Cancelled Foreign Government Charts: Portugal, c. 1950-1998

OPC 46/48 Cancelled Foreign Government Charts: Romania, c. 1950-1998

OPC 46/49 Cancelled Foreign Government Charts: Russia, c. 1950-1998

OPC 46/50 Cancelled Foreign Government Charts: Sarawak, c. 1950-1998

- OPC 46/51** Cancelled Foreign Government Charts: Saudi Arabia, c. 1950-1998
- OPC 46/52** Cancelled Foreign Government Charts: South Africa, c. 1950-1998
- OPC 46/53** Cancelled Foreign Government Charts: South Korea, c. 1950-1998
- OPC 46/54** Cancelled Foreign Government Charts: Spain, c. 1950-1998
- OPC 46/55** Cancelled Foreign Government Charts: Sri Lanka, c. 1950-1998
- OPC 46/56** Cancelled Foreign Government Charts: Taiwan, c. 1950-1998
- OPC 46/57** Cancelled Foreign Government Charts: Thailand, c. 1950-1998
- OPC 46/58** Cancelled Foreign Government Charts: Trinidad and Tobago, c. 1950-1998
- OPC 46/59** Cancelled Foreign Government Charts: Turkey, c. 1950-1998
- OPC 46/60** Cancelled Foreign Government Charts: United States of America, c. 1950-1998
- OPC 46/61** Cancelled Foreign Government Charts: Uruguay, c. 1950-1998
- OPC 46/62** Cancelled Foreign Government Charts: Venezuela, c. 1950-1998
- OPC 46/63** Cancelled Foreign Government Charts: Yugoslavia, c. 1950-1998
- OPC 47** Port of London Authority Hydrographic Service Charts, 2009-2011
- OPC 48** United States of America Depiction of Territorial Sea Limit, chart numbers 62033, 62361, 62512, 62521, 62531, 62541, 62591, 1990s-2000s

Related records:

- AAC** Additional Admiralty charts (not **OCB** 'old copy bundles')
- OCB** Record copies of Admiralty charts ('old copy bundles')

OPT**Offprints**

Before 1999 short papers were sometimes sent to the Department's library for filing. In 1999 a large quantity of offprints were found which related to materials held in the Archive and these formed the basis of the offprint collection. This is an eclectic mix of material including offprints from journals, newspaper cuttings, pamphlets, etc. A complete list, including a keyword index, is available electronically.¹⁴⁹ This series is still maintained [2019].

OPT 1-1029Offprints, 18th century-2018**PGY****Photogrammetry records**

It is known that the French Hydrographic Office used aerial photography taken from a balloon off Algiers prior to the First World War. This was then used by the French to compile a chart of the area which was subsequently adopted by the British Hydrographic Office. Prior to the Second World War it is thought there was little detailed use of aerial photography in the British Hydrographic Office as a specialist section was not established until the early 1950s. This is reflected in the fact that the earliest photoplot is dated 1952.¹⁵⁰

When all staff from the Cricklewood site relocated to Taunton in 1968 there was a structural reorganisation. Chart Branch was organised into eight Nautical Chart Branches and seven Marine Science Branches, one with a responsibility for photogrammetry.¹⁵¹

The UKHO holds several groups of aerial (vertical) photographs, products and supporting documentation generated by the Photogrammetry office (now known as the Geodesy and Imagery Centre (GIC)) dating from the 1940s up until 2011. With the introduction of digital imagery the number of analogue photographs, products and records received into the Archive ceased.¹⁵²

Most of the photographs are black and white prints. The first use of colour was undertaken at the request of Photogrammetry section through HMS *Hecate*.¹⁵³

Please note that United Kingdom aerial imagery and photography flown by the Royal Navy over 30 years old are public records and as such are UNCLASSIFIED though remain subject to Crown Copyright. Any imagery of Antarctica, below 60 degrees South, is subject to the "Antarctic Treaty

¹⁴⁹ Ex inf Dr Adrian Webb, 2017.

¹⁵⁰ A.J. Webb, 'Locating Aerial Photography', p.2.

¹⁵¹ Morris, *Charts and Surveys in Peace and War*, p.213.

¹⁵² Webb, 'Locating Aerial Photography', p.2.

¹⁵³ Webb, 'Locating Aerial Photography', p.2.

where all imagery [including photography] south of 60 degrees south should be marked UNCLASSIFIED". See file reference HA156/001/001-01 enclosure E21.¹⁵⁴

A 2011 guide by Dr Adrian Webb to 'Locating Aerial Photography' is available electronically. This explains how to use the geographical finding aids to locate aerial photography.¹⁵⁵ These records date from the Second World War to c.2011. In 2017 a project was started to catalogue the collection of c. 400 000 prints.

PGY 1	Incoming data
PGY 2	Flight diagrams and camera reports
PGY 3	Incoming images and data
PGY 4	Photoplot compilation records
PGY 5	Camera calibration records
PGY 6	Photoplot job folders
PGY 7	Index to aerial sorties, c. 1940-c. 1990

Related records:

Registered files series

PMC Polar Medal Committee records

The first polar award was called the Arctic Medal and was issued for the first time in 1857 for several expeditions, including the expedition to discover the fate of Sir John Franklin and his crew who were lost while looking for the Northwest Passage in 1847. The second presentation of the Arctic Medal was to the crews of three ships exploring the Arctic in 1875-1876.

In 1904, the Polar Medal was inaugurated for members of Captain Scott's first expedition to Antarctica. It was also awarded to the crews of both rescue ships, *Terra Nova* and *Morning*. Subsequent medals were also awarded to members of Ernest Shackleton's expeditions in 1907–1909 and 1914–1917.

Until 1968, the Polar Medal was presented to anyone who participated in a polar expedition endorsed by the governments of any Commonwealth realms. However, since then the rules

¹⁵⁴ Webb, 'Locating Aerial Photography', p.2.

¹⁵⁵ Webb, 'Locating Aerial Photography'.

governing its presentation have been revised with greater emphasis placed on personal achievement.¹⁵⁶

A published list of recipients is held in the Archives Research Room. Some of the related records are closed.

PMC 1 Polar Medal reference books, 1950s-1980s

Related records:

Files containing details of recipients can be found in the registered filing system under **H, HA and HW**. A list is available on request.

PRR Production records

By 1797 the first Hydrographer, Alexander Dalrymple (1737-1808), in addition to an assistant and draughtsman, employed three copper plate engravers and a printer.¹⁵⁷ By 1831 manually drawn charts were being sent for engraving to Walkers of Castle Street, Holborn. Once the plates were engraved they were sent back to the Admiralty, where one or two printers ran off copies as required.¹⁵⁸

Once a 'compilation drawing' had been drawn up for a new chart and the work had been approved (see **CBR** Chart Branch records for further information), the engraver would then take that drawing, transfer the detail in reverse onto a copper plate by engraving it so that a master printing plate was created. When any correction was required, the area of the old detail could be hammered out from behind, the plate smoothed clean, and the whole of the area re-engraved with the new material. From the engraved copper the finished chart would be printed by direct impression on a flat-bed printer.

In 1891 the Hydrographer proposed the major step of duplicating chart plates by electrotyping. A few years later in 1904, the use of heliozincography demonstrated that plates could readily be made from dry proofs stored at the Admiralty or British Museum. This was a less expensive way of insuring against disaster than the duplication of copper plates, whose correction had in any case fallen into arrears. Photo-etching of coppers was being introduced and more photography was being used in Chart Branch. In 1906, charts were printed on pegamoid for torpedo-boat destroyers and torpedo-

¹⁵⁶ Wikipedia, 'Polar Medal', <https://en.wikipedia.org/wiki/Polar_Medal>, (viewed 24/08/2016).

¹⁵⁷ Morris, *Charts and Surveys in Peace and War*, p.6.

¹⁵⁸ Morris, *Charts and Surveys in Peace and War*, p.11.

boats in Home Waters, but they needed waterproofing with varnish after correction, and were abandoned in 1908.¹⁵⁹

The process of chart production was modified in the late 1930s when the more efficient method of printing from a zinc plate (copied from the original copper) was adopted. In 1957 experiments were begun with plastic sheets in place of zinc or copper plates. Plastic materials soon came to dominate the draughting process. During this period there was also an increasing use of colour on charts.¹⁶⁰

Although in the first half of the nineteenth century, charts were printed in house, in 1855 Malbys took over this task, although the copper plates were still kept in the basement of the Admiralty in the Hydrographer's charge when not in use. In 1883, engraving was still undertaken outside the Department by contract, as was printing. In the early 1900s charts were still printed by Malbys and engraved by two firms, Davies and Weller.¹⁶¹ A few years later, following dissatisfaction with the services provided, it was decided to bring chart printing back under the Hydrographer's direct control. In 1919, approval was given to set up an Admiralty Chart Establishment, which opened at Cricklewood in 1922. At first this was operated by HM Stationary Office on the Hydrographer's behalf, but in 1929 it was transferred to the Hydrographer's direct control.¹⁶²

From c.1835 the practice of permanently retaining printing plates of charts compiled from original British surveys was introduced. However, in the 1880s about four hundred of the old copper printing plates in store were disposed of, with three 'pulls' of each plate being retained for record purposes. The pulls are found in **AAC 12**, **AAC 46** and **AAC 48**. Up until 1923 all plates were stored in the Admiralty building, but from this date cancelled plates were retained in the new Chart Establishment at Cricklewood. Admiralty plates were transferred into the basement of Cornwall House when Chart Branch and the Archives moved to the new site.¹⁶³ In 1936 it was discovered that some of these had been stolen and the collection was then moved to Cricklewood.

In 1938 the Superintendent of the Admiralty Chart Establishment had under him 114 non-industrial staff and 222 industrials. From 1936 he had as his Assistant Superintendent (Production) a senior cartographer. He also had an Assistant Superintendent (Supplies) dealing with the chart depot side of the business, the issue of charts and other publications to the Fleet.¹⁶⁴

In 1941 all the cancelled copper plates were brought together at Taunton.¹⁶⁵ Some cancelled plates were sold as scrap for the value of the copper, but those thought to be of historic or aesthetic interest were retained and some were presented to relevant Commonwealth countries. After the

¹⁵⁹ Day, *The Admiralty Hydrographic Service*, pp.126, 215 and 218.

¹⁶⁰ Morris, *Charts and Surveys in Peace and War*, pp.33-34 and 156.

¹⁶¹ Morris, *Charts and Surveys in Peace and War*, pp.14-15 and 18.

¹⁶² Morris, *Charts and Surveys in Peace and War*, pp.19 and 34.

¹⁶³ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.38.

¹⁶⁴ Morris, *Charts and Surveys in Peace and War*, p.80.

¹⁶⁵ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, pp.48 and 65-66.

Second World War the Des Barres plates, from the 18th century, were presented to various institutions and museums in Canada and USA.¹⁶⁶

Early in the war the Cricklewood printing factory suffered air raid damage. A new large printing establishment, Creechbarrow House, was built at the site that had been purchased in 1938 at Taunton.¹⁶⁷ In 1940, a proportion of the production staff were moved from Cricklewood to Exeter.¹⁶⁸ The facilities at Exeter were wiped out during the bombing of the city but fortunately the facilities at Taunton had just come into operation.¹⁶⁹

By November 1940 a useful group of disused printing machinery of a suitable size for printing charts had been found at Nottingham and was requisitioned and put to work. Emergency premises were also set up in Ironbridge and Armadale.¹⁷⁰ At the end of June 1941 the chart reproduction, printing and issues sections moved from the Admiralty Chart Establishment at Cricklewood to the newly acquired site at Taunton, known as Creechbarrow House. However, the establishments at Nottingham, Ironbridge and Armadale were kept open until the end of the War.¹⁷¹

The work undertaken at Taunton, in addition to printing departmental publications, included work for H.M.S.O.. In 2016 printing ceased in Taunton after exactly 75 years; this was mainly due to print on demand, the increase in use of digital charts and outsourcing.¹⁷²

PRR 1	Catalogues of copper plates, 1866-1912
PRR 2	Records of items sent from Taunton, 1963-1985
PRR 3	Production printing plates and reproduction methods, 19 th – 20 th century
PRR 3/1	Copper plates, 19 th – 20 th century
PRR 3/1/1	Copper plate number 10C, Anchorages on the Coast of Arabia, 1888
PRR 3/1/2	Copper plate number 11, Jazireh-Ye-Kh_rk to Ganaveh, 1964
PRR 3/1/3	Copper plate number 26, with slip Magnetic curves of equal variation; World between Lat 60°N and 55°S, undated
PRR 3/1/4	Copper plate number 31, Fowey Harbour, 1928

¹⁶⁶ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.66.

¹⁶⁷ Pascoe, *The Story of the Curator of the Hydrographic Department of the Admiralty*, p.76.

¹⁶⁸ Morris, *Charts and Surveys in Peace and War*, p.116.

¹⁶⁹ A.J. Webb, 'The bombing of the Admiralty printing plant in Exeter' in *Devon & Cornwall Notes & Queries*, XXXIX (2005), 219-22.

¹⁷⁰ Morris, *Charts and Surveys in Peace and War*, pp.116-117.

¹⁷¹ Morris, *Charts and Surveys in Peace and War*, p.117

¹⁷² Ex inf Dr Adrian Webb, 2017.

- PRR 3/1/5** Copper plate number 52, Wicklow Roadstead and Harbour, 1884
- PRR 3/1/6** Copper plate number 85A and B, undated
- PRR 3/1/7** Copper plate number 261, Plans in Arctic America, 1912
- PRR 3/1/8** Copper plate number 357, Ethiopic or Southern Ocean and Part of the Pacific Ocean, 1808
- PRR 3/1/9** Copper plate number 455, Anchorages on the Coast of California and Oregon, 1878
- PRR 3/1/10** Copper plate number 495, Sau Sau Passage to Ringgold Channel, 1964
- PRR 3/1/11** Copper plate number 745, undated
- PRR 3/1/12** Copper plate number 746, undated
- PRR 3/1/13** Copper plate number 747, undated
- PRR 3/1/14** Copper plate number 769, Sungei Sedili Besar to Kuala Pahang, 1949
- PRR 3/1/15** Copper plate number 790, undated
- PRR 3/1/16** Copper plate number 796, Stazousa Point to Cape Elœa, 1972
- PRR 3/1/17** Copper plate number 797, undated
- PRR 3/1/18** Copper plate number 808, Herm and Sark; Channel Islands, 1973
- PRR 3/1/19** Copper plate number 829, Cocan_da to Bassein River, 1877
- PRR 3/1/20** Copper plate number 830, Bassein River to Pulo Penang, including the Andaman and Nicobar Islands, 1877
- PRR 3/1/21** Copper plate number 843, Approaches to Bass Harbour, 1941
- PRR 3/1/22** Copper plate number 846, Plans on the Coast of Cyprus, 1938
- PRR 3/1/23** Copper plate number 847, Plans on the Coast of Cyprus, 1935
- PRR 3/1/24** Copper plate number 848, Malindi to Juba, 1891
- PRR 3/1/25** Copper plate number 849, Sea Mouth of the Murray River, 1879
- PRR 3/1/26** Copper plate number 850, Cape Aspro to Cape Kiti, 1940
- PRR 3/1/27** Copper plate number 883, undated
- PRR 3/1/28** Copper plate number 1012 and slip, Arabian Sea, 1960

- PRR 3/1/29** Copper plate number 1034, Cape Naturaliste to King George Sound and Doubtful Island Bay, 1878
- PRR 3/1/30** Copper plate number 1035, undated
- PRR 3/1/31** Copper plate number 1036, Plans on the coast of Syria, 1960
- PRR 3/1/32** Copper plate number 1037, Anchorages on the South West Coast of Australia, 1879
- PRR 3/1/33** Copper plate number 1038, undated
- PRR 3/1/34** Copper plate number 1039, Cooktown to Booby Island and Port Moresby, 1968
- PRR 3/1/35** Copper plate number 1064 and slip, Views on the South Coast of Terra Australis, 1814
- PRR 3/1/36** Copper plate number 1073 and slip, Hamilton Harbour, 1962
- PRR 3/1/37** Copper plate number 1074 and slip, Views on the East and North Coasts of Terra Australis, 1814
- PRR 3/1/38** Copper plate number 1086, undated
- PRR 3/1/39** Copper plate number 1087, undated
- PRR 3/1/40** Copper plate number 1174, Suvorov Islands, 1922
- PRR 3/1/41** Copper plate number 1240, Chart of the South Polar Sea, undated
- PRR 3/1/42** Copper plate number 1326, Berkeley Sound, 1841
- PRR 3/1/43** Copper plate number 1354A and B, Falklands Islands, 1884
- PRR 3/1/44** Copper plate number 1386, Islands in the South Pacific Ocean, 1876
- PRR 3/1/45** Copper plate number 1459, Venezia, Porto Marghera, 1950
- PRR 3/1/46** Copper plate number 1466, undated
- PRR 3/1/47** Copper plate number 1539, The Shannon, Middle Ground to Scarlet Reach, 1879
- PRR 3/1/48** Copper plate number 1540, The Shannon, Scarlet Reach to Limerick, 1843
- PRR 3/1/49** Copper plate number 1541S, The Shannon, Glin to Foynes, 1845

- PRR 3/1/50** Copper plate number 1542, Ports and Anchorages in Southern Spain, 1967
- PRR 3/1/51** Copper plate number 1547, The Shannon - Carrigaholt to Scattery, 1843
- PRR 3/1/52** Copper plate number 1548E, S, The Shannon, 1843
- PRR 3/1/53** Copper plate number 1549, The Shannon, 1843
- PRR 3/1/54** Copper plate number 1606, The Ancient Halicarnassus, 1851
- PRR 3/1/55** Copper plate number 1695A and B, Bass Strait, 1868
- PRR 3/1/56** Copper plate number 1696A, B and C, Lombok to Flores including the Paternoster and Postillion Islands, 1892
- PRR 3/1/57** Copper plate number 1851, English Harbour, 1864
- PRR 3/1/58** Copper plate number 1855, undated
- PRR 3/1/59** Copper plate number 1870, Lanzarote to Gran Canaria, 1954
- PRR 3/1/60** Copper plate number 1903, Galway harbour, 1848
- PRR 3/1/61** Copper plate number 1917, undated
- PRR 3/1/62** Copper plate number 1967, Plymouth Sound, 1941
- PRR 3/1/63** Copper plate number 2014, undated
- PRR 3/1/64** Copper plate number 2152, Approaches to Port Swettenham, 1967
- PRR 3/1/65** Copper plate number 2177, Arctic Sea - Baffin Bay, 1852
- PRR 3/1/66** Copper plate number 2243, Noto Hant, 1955
- PRR 3/1/67** Copper plate number 2253, Dartmouth Harbour, 1855
- PRR 3/1/68** Copper plate number 2340, Balaclava Bay, 1854
- PRR 3/1/69** Copper plate number 2448, undated
- PRR 3/1/70** Copper plate number 2625, Approaches to Portsmouth, 1941
- PRR 3/1/71** Copper plate number 2763S, Coral Sea and Great Barrier Reefs, 1860
- PRR 3/1/72** Copper plate number 2764, Coral Sea and Great Barrier Reefs, 1886
- PRR 3/1/73** Copper plate number 5074, Lough Neagh, 1835
- PRR 3/1/74** Copper plate number 5077, Loch Lomond, 1862

PRR 3/1/75	Copper plate number 5100 and slip, Discoveries in the Arctic Sea (1666 to 1927), c. 1927
PRR 3/1/76	Copper plate number A86, undated
PRR 3/1/77	Copper plate number H395B, undated
PRR 3/1/78	Folder containing information about copper plates sent to Portsmouth, undated
PRR 3/1/79	Unidentified copper plate, undated
PRR 3/2	Lithographic stones, 19 th – 20 th century
PRR 3/3	Enamel plates, 20 th century
PRR 3/4	Plastic bases, 20 th century
PRR 3/5	Astrofoil, 20 th century
PRR 3/6	Zinc plates, 20 th century
PRR 4	Production manuals and guides, 20 th century-2002
PRR 5	List of machinery, 1944-c. 1950
PRR 6	Production training records, 1965
PRR 7	Third party production work, 2000s
PRR 8	East Indies Chart Production Unit, 1942-1946
PRR 9	Account of the Weekly Reports of the Employment of Draughtsmen in the Hydrographic Office and the Progress made by the Engravers, 1827-1832
PRR 10	Folder of notes and papers relating to printing, 1961-c. 2001
PRR 10/1	Papers used by Production Division staff, undated [c. 1960s-c. 2001]
PRR 10/2	A brief account of the main processes involved in the production of the British Admiralty charts by B.W. Burton, 1961
PRR 11	Card system of chart bases used in production of admiralty charts, c. 1980-2005
PRR 12	Chart bases, c. 1970s
PRR 13	Miscellaneous digital production, including flowline, c. 2014

Related records:

CBR	Chart Branch records
CIB	Chart Issues Branch records
H, HA	Registered files

REG **Registry records**

From 1866 to 2018 there have been a number of different series of correspondence, some of which have overlapped, that are referred to as **S Papers**, jackets or registered files. All of this correspondence has been weeded, resulting in some source data being lost and an incomplete record of the Office's working and decision making being the result.¹⁴⁷ Some of this was undertaken with little understanding of the long term value of these records, particularly those from World War Two. A formal registry system involving specific series of registers, files and indexes, appears to only have left such records from 1908. Before this period the records, such as correspondence, can be found in the **LB, LP, LP1857, MB, MLP, MP, SL** and **SLB** collections.

REG 1 to **REG 10** contain reference numbers to files created by Registry Staff. Each entry has a unique identifying number. However, not all the files have survived. It is possible, in some cases, to find references to subjects the office were involved with.

From 1988 the filing was split between geographical information (**HH** series) and administration (**HA** series). The **HH** series was closed in 2009 and all source data became classed as departmental record. The **HA** series was closed in 2018. The titles of both series of files are held electronically, from 1967 to 2018.¹⁴⁸

Content

Bath series, 1939-1945 – H series (5 figure numbers).

During and just after the Second World War, 1939-1945, parts of the Professional and Naval Divisions were housed at Bath. Jackets in the H series started at Bath were given 5 figure numbers instead of the usual 4 figure numbers.

CIB Chart Issues Branch series (1914-1923)

**Please note: this series has been weeded and as a result the source data no longer exists. This series did contain information relating to chart sales and chart depots for the period when Chart Issues Branch was housed separately to the remainder of the department during the First World War, 1914-1918.*

H Hydrographic Department series, 1908-1988

These are the continuation of the H papers. The files are in folders also known as jackets. The jackets are continued in bundles sorted chronologically for each year. The series contains correspondence and consequential action arising in the chart branch and naval division of the

department and deal mainly with hydrographic matters. Since 1968 this series has also contained information relating to chart production and sales.

HA Hydrographic Administration series, 1988-2018

These files provided business by aggregating papers covering the same activity. Only files which were deemed to be of long-term historical or evidential value have been kept, in accordance with UKHO records management procedures and legal obligations.

The titles were made up of two layers of business related keywords and then a free text title. The document H390A¹⁷³ provided a list of keywords and is available to search. Each file should have included an enclosure minute sheet, its contents were filed in reverse chronological order and remained open for 5 years only.

Keyword	Significance
First	General Work area
Second	Area of interest/topic
Third	Specific title

First word grouping table

Numbers	Title Area
100-199	General
200-299	Administration
300-399	Bodies
400-499	Charts
500-599	Naval
600-699	SOS (previously MS6)
700-799	SOS (previously MS7)
800-899	Personnel
900-999	Books/Publications

The contents of the files can include: correspondence, in the form of letters, fax, email; reports; abstracts; minutes; agenda; extracts of charts; financial information; memoranda; personnel information; legal information; copyright; agreements.

The information is usually on paper but also includes Compact Discs and 3 ½" floppy discs.

HC HC series, c. 1923-1967

These contain information relating to chart production and sales and was extant during the time that the Printing and Sales division were housed separately from the Chart Branch and the Naval Division.

Contents can include: copy charts; correspondence; memoranda; financial information and legal information.

¹⁷³ H390A available as an Excel file: 20160523 H390A First and second words.xlsx

HH Hydrographic Information series, 1988-2009

This is a geographically arranged series. It contains a unique collection of decisions and minutes relating to data received between 1988 and 2009. The file numbers indicated the country and area of interest and also used keywords.

Keyword

First
Second
Third

Significance

Country
Area of interest/topic
Sequential part number

Contents can include: publications; leaflets; updates to publications; Notices to Mariners; correspondence; notes and reports; reference material; photographs; minutes; graphics; charts.

HMO H(MO) series, 1968-1978

In 1968, the Metrological and Oceanographic Branches of the Navy came partly under the administration of the Hydrographer, with joint offices in the Ministry of Defence headquarters building, Whitehall. This series contains correspondence and matters relating to the Metrological and Oceanographic Branch and from 1968-1974 the correspondence and administrative matters relating to the Hydrographer staff in Whitehall, formerly the H(W) sequence.

Contents can include: Minutes, correspondence; reports; photographs; graphics.

HP Hydrographic Printing series, 1939-1945

This series deals with matters arising at the stand-by printing establishment at Exeter. There is overlap between HP (Nottingham).

There were only 2 files located.

Contents can include: Correspondence, report and plans.

HP (Nottingham) Hydrographic Printing (Nottingham) series, 1940-1945

*Please note: this series has been weeded and as a result the source data no longer exists. This series did contain material dealing with printing and personnel matters arising in Nottingham and possibly Armidale, where stand-by printing establishments had been set up during the Second World War, 1939-1945, in case the main printing works in London was destroyed. A department was also set up at Exeter – see HP series.

HS Hydrographic Supplies series, 1939-1941

*Please note: this series was badly weeded and as a result the files no longer exist. This series dealt mainly with chart supplies and chart depots, from when the Chart Supplies Branch was housed in London separate to the printing and Production Division, from 1939, until it moved to Taunton in 1941.

HW Hydrographic Department, Whitehall series, 1951-1993

These files contain administrative and personnel matters such as movement and refits of surveying ships, officers' appointments, etc. dealt with by members of the Hydrographer's staff housed in the

Ministry of Defence Headquarters building, Whitehall. For the years 1968-1974 see the **HMO H(MO)** series.

Contents can include: Correspondence, reports and plans.

REG 1	H series registers and indexes, 1912-1988
REG 1/1/1	H Series Numerical Register, 1912
REG 1/1/2	H Series Numerical Register, 1916
REG 1/1/3	H Series Numerical Register, 1917
REG 1/1/4	H Series Numerical Register, 1918
REG 1/1/5	H Series Numerical Register, 1919
REG 1/1/6	H Series Numerical Register, 1920
REG 1/1/7	H Series Numerical Register, 1921
REG 1/1/8	H Series Numerical Register, 1922
REG 1/1/14	H Series Numerical Register, 1928
REG 1/1/15	H Series Numerical Register, 1929
REG 1/1/16	H Series Numerical Register, 1930
REG 1/1/17	H Series Numerical Register, 1931
REG 1/1/18	H Series Numerical Register, 1932
REG 1/1/19	H Series Numerical Register, 1933
REG 1/1/20	H Series Numerical Register, 1934
REG 1/1/33	H Series Numerical Register, 1946
REG 1/1/34	H Series Numerical Register, 1947
REG 1/1/35	H Series Numerical Register, 1948
REG 1/1/36	H Series Numerical Register, 1949
REG 1/1/37	H Series Numerical Register, 1950
REG 1/1/38	H Series Numerical Register, 1951
REG 1/1/39	H Series Numerical Register, 1952
REG 1/1/40	H Series Numerical Register, 1953
REG 1/1/41	H Series Numerical Register, 1954

REG 1/1/42 H Series Numerical Register, 1954
REG 1/1/43 H Series Numerical Register, 1955
REG 1/1/44 H Series Numerical Register, 1955
REG 1/1/45 H Series Numerical Register, 1956
REG 1/1/46 H Series Numerical Register, 1956
REG 1/1/47 H Series Numerical Register, 1957
REG 1/1/48 H Series Numerical Register, 1957
REG 1/1/49 H Series Numerical Register, 1958
REG 1/1/50 H Series Numerical Register, 1958
REG 1/1/51 H Series Numerical Register, 1959
REG 1/1/52 H Series Numerical Register, 1959
REG 1/1/53 H Series Numerical Register, 1960
REG 1/1/54 H Series Numerical Register, 1960
REG 1/1/55 H Series Numerical Register, 1961
REG 1/1/56 H Series Numerical Register, 1962
REG 1/1/57 H Series Numerical Register, 1963
REG 1/1/58 H Series Numerical Register, 1964
REG 1/1/59 H Series Numerical Register, 1964
REG 1/1/60 H Series Numerical Register, 1965
REG 1/1/61 H Series Numerical Register, 1966
REG 1/1/62 H Series Numerical Register, 1966 - 1968
REG 1/1/63 H Series Numerical Register, 1968
REG 1/1/64 H Series Numerical Register, 1968
REG 1/1/65 H Series Numerical Register, 1969
REG 1/1/66 H Series Numerical Register, 1970
REG 1/1/67 H Series Numerical Register, 1971
REG 1/1/68 H Series Numerical Register, 1972

REG 1/1/69	H Series Numerical Register, 1973
REG 1/1/70	H Series Numerical Register, 1973
REG 1/1/71	H Series Numerical Register, 1974
REG 1/1/72	H Series Numerical Register, 1975
REG 1/1/73	H Series Numerical Register, 1976
REG 1/1/74	H Series Numerical Register, 1977
REG 1/1/75	H Series Numerical Register, 1978
REG 1/1/76	H Series Numerical Register, 1979
REG 1/1/77	H Series Numerical Register, 1980
REG 1/1/78	H Series Numerical Register, 1980
REG 1/1/79	H Series Numerical Register, 1981
REG 1/1/80	H Series Numerical Register, 1982
REG 1/1/81	H Series Numerical Register, 1983
REG 1/1/82	H Series Numerical Register, 1984
REG 1/1/83	H Series Numerical Register, 1985
REG 1/1/84	H Series Numerical Register, 1986
REG 1/1/85	H Series Numerical Register, 1987
REG 1/1/86	H Series Numerical Register, 1988
REG 1/2/1	H Series Source Index, 1917 - 1918
REG 1/2/2	H Series Source Index, 1919
REG 1/2/3	H Series Source Index, 1920 - 1921
REG 1/2/4	H Series Source Index, 1922
REG 1/2/5	H Series Source Index, 1923
REG 1/2/6	H Series Source Index, 1924
REG 1/2/7	H Series Source Index, 1925
REG 1/2/8	H Series Source Index, 1926
REG 1/2/9	H Series Source Index, 1927

REG 1/2/10	H Series Source Index, 1928
REG 1/2/11	H Series Source Index, 1929
REG 1/2/12	H Series Source Index, 1930
REG 1/2/13	H Series Source Index, 1931
REG 1/2/14	H Series Source Index, 1932
REG 1/2/15	H Series Source Index, 1933
REG 1/2/16	H Series Source Index, 1934
REG 1/2/17	H Series Source Index, 1935
REG 1/2/18	H Series Source Index, 1936
REG 1/2/19	H Series Source Index, 1937
REG 1/2/20	H Series Source Index, 1938
REG 1/2/21	H Series Source Index, 1939
REG 1/2/22	H Series Source Index, 1940
REG 1/2/23	H Series Source Index, 1941
REG 1/2/23a	H Series Source Index, 1942
REG 1/2/24	H Series Source Index, 1943
REG 1/2/25	H Series Source Index, 1944
REG 1/2/26	H Series Source Index, 1945
REG 1/2/27	H Series Source Index, 1946
REG 1/2/28	H Series Source Index, 1947
REG 1/2/29	H Series Source Index, 1948
REG 1/2/30	H Series Source Index, 1949
REG 1/2/31	H Series Source Index, 1950
REG 1/2/32	H Series Source Index, 1951
REG 1/2/33	H Series Source Index, 1952
REG 1/2/34	H Series Source Index, 1953
REG 1/2/35	H Series Source Index, 1954

REG 1/2/36 H Series Source Index, 1954
REG 1/2/37 H Series Source Index, 1955
REG 1/2/38 H Series Source Index, 1955
REG 1/2/39 H Series Source Index, 1956
REG 1/2/40 H Series Source Index, 1956
REG 1/2/41 H Series Source Index, 1957
REG 1/2/42 H Series Source Index, 1957
REG 1/2/43 H Series Source Index, 1958
REG 1/2/44 H Series Source Index, 1958
REG 1/2/45 H Series Source Index, 1959
REG 1/2/46 H Series Source Index, 1959
REG 1/2/47 H Series Source Index, 1960
REG 1/2/48 H Series Source Index, 1960
REG 1/2/49 H Series Source Index, 1961
REG 1/2/50 H Series Source Index, 1961
REG 1/2/51 H Series Source Index, 1962
REG 1/2/52 H Series Source Index, 1962
REG 1/2/53 H Series Source Index, 1963
REG 1/2/54 H Series Source Index, 1964
REG 1/2/55 H Series Source Index, 1965
REG 1/2/56 H Series Source Index, 1966
REG 1/2/57 H Series Source Index, 1967
REG 1/2/58 H Series Source Index, 1968
REG 1/3/1 H Series General Index, 1917
REG 1/3/2 H Series General Index, 1918 - 1919
REG 1/3/3 H Series General Index, 1920 - 1921
REG 1/3/4 H Series General Index, 1922

REG 1/3/5	H Series General Index, 1923
REG 1/3/6	H Series General Index, 1924
REG 1/3/7	H Series General Index, 1925
REG 1/3/8	H Series General Index, 1926
REG 1/3/9	H Series General Index, 1927
REG 1/3/10	H Series General Index, 1928
REG 1/3/11	H Series General Index, 1929
REG 1/3/12	H Series General Index, 1930
REG 1/3/13	H Series General Index, 1931
REG 1/3/14	H Series General Index, 1932
REG 1/3/15	H Series General Index, 1933
REG 1/3/16	H Series General Index, 1934
REG 1/3/17	H Series General Index, 1935
REG 1/3/18	H Series General Index, 1936
REG 1/3/19	H Series General Index, 1937
REG 1/3/20	H Series General Index, 1938
REG 1/3/21	H Series General Index, 1939
REG 1/3/22	H Series General Index, 1940
REG 1/3/23	H Series General Index, 1941
REG 1/3/24	H Series General Index, 1942
REG 1/3/25	H Series General Index, 1943
REG 1/3/26	H Series General Index, 1943 -1944
REG 1/3/27	H Series General Index, 1944
REG 1/3/28	H Series General Index, 1945
REG 1/3/29	H Series General Index, 1946
REG 1/3/30	H Series General Index, 1947
REG 1/3/31	H Series General Index, 1948

REG 1/3/32 H Series General Index, 1949
REG 1/3/33 H Series General Index, 1950
REG 1/3/34 H Series General Index, 1951
REG 1/3/35 H Series General Index, 1952
REG 1/3/36 H Series General Index, 1953
REG 1/3/37 H Series General Index, 1954
REG 1/3/38 H Series General Index, 1955
REG 1/3/39 H Series General Index, 1956
REG 1/3/40 H Series General Index, 1957
REG 1/3/41 H Series General Index, 1958
REG 1/3/42 H Series General Index, 1959
REG 1/3/43 H Series General Index, 1960
REG 1/3/44 H Series General Index, 1961
REG 1/3/45 H Series General Index, 1962
REG 1/3/46 H Series General Index, 1963
REG 1/3/47 H Series General Index, 1964
REG 1/3/48 H Series General Index, 1965
REG 1/3/49 H Series General Index, 1966
REG 1/3/50 H Series General Index, 1967
REG 1/3/51 H Series General Index, 1968
REG 1/3/52 H Series General Index, 1969
REG 1/3/53 H Series General Index, 1970
REG 1/3/54 H Series General Index, 1971
REG 1/3/55 H Series General Index, 1972
REG 1/3/56 H Series General Index, 1973
REG 1/3/57 H Series General Index, 1974
REG 1/3/58 H Series General Index, 1975

REG 1/3/59	H Series General Index, 1976
REG 1/3/60	H Series General Index, 1977
REG 1/3/61	H Series General Index, 1978
REG 1/3/62	H Series General Index, 1979
REG 1/3/63	H Series General Index, 1980
REG 1/3/64	H Series General Index, 1981
REG 1/3/65	H Series General Index, 1982
REG 1/3/66	H Series General Index, 1983
REG 1/3/67	H Series General Index, 1984
REG 1/4/1	H Series Geographical Index, 1918 - 1919
REG 1/4/2	H Series Geographical Index, 1920 - 1921
REG 1/4/3	H Series Geographical Index, 1922
REG 1/4/4	H Series Geographical Index, 1923
REG 1/4/5	H Series Geographical Index, 1924
REG 1/4/6	H Series Geographical Index, 1925
REG 1/4/7	H Series Geographical Index, 1926
REG 1/4/8	H Series Geographical Index, 1927
REG 1/4/9	H Series Geographical Index, 1928
REG 1/4/10	H Series Geographical Index, 1929
REG 1/4/11	H Series Geographical Index, 1930
REG 1/4/12	H Series Geographical Index, 1931
REG 1/4/13	H Series Geographical Index, 1932
REG 1/5/1	H Series General Index, excluding ships, 1916
REG 1/5/2	H Series General Index, excluding ships, 1916
REG 1/5/3	H Series General Index, excluding ships, 1916 - 1917
REG 1/5/4	H Series General Index, excluding ships, 1916
REG 1/5/5	H Series General Index, excluding ships, 1919

REG 1/5/6	H Series General Index, excluding ships, 1920
REG 1/5/7	H Series General Index, excluding ships, 1921
REG 1/5/8	H Series General Index, excluding ships, 1922
REG 1/5/9	H Series General Index, excluding ships, 1923
REG 1/6/1	H Series Register of files issued and received, 1917-1918
REG 1/6/2	H Series Register of files issued and received, 1918 - 1920
REG 1/6/3	H Series Register of files issued and received, undated
REG 1/7/1	H Series Index, 1968 - 1984
REG 2	HC series registers and indexes, 1935-1969
REG 2/1/1	HC Series Numerical Register, 1936 - 1939
REG 2/1/2	HC Series Numerical Register, 1939 - 1941
REG 2/1/3	HC Series Numerical Register, 1940 - 1941
REG 2/1/4	HC Series Numerical Register, 1941 - 1942
REG 2/1/5	HC Series Numerical Register, 1943
REG 2/1/6	HC Series Numerical Register, 1944
REG 2/1/7	HC Series Numerical Register, 1945
REG 2/1/8	HC Series Numerical Register, 1946
REG 2/1/9	HC Series Numerical Register, 1947
REG 2/1/10	HC Series Numerical Register, 1948
REG 2/1/11	HC Series Numerical Register, 1949
REG 2/1/12	HC Series Numerical Register, 1950
REG 2/1/13	HC Series Numerical Register, 1951
REG 2/1/14	HC Series Numerical Register, 1952
REG 2/1/15	HC Series Numerical Register, 1953
REG 2/1/16	HC Series Numerical Register, 1953
REG 2/1/17	HC Series Numerical Register, 1954
REG 2/1/18	HC Series Numerical Register, 1954 - 1956

REG 2/1/19 HC Series Numerical Register, 1955

REG 2/1/20 HC Series Numerical Register, 1956

REG 2/1/21 HC Series Numerical Register, 1957

REG 2/1/22 HC Series Numerical Register, 1958

REG 2/1/23 HC Series Numerical Register, 1959

REG 2/1/24 HC Series Numerical Register, 1960

REG 2/1/25 HC Series Numerical Register, 1961

REG 2/1/26 HC Series Numerical Register, 1962

REG 2/1/27 HC Series Numerical Register, 1963

REG 2/1/28 HC Series Numerical Register, 1964

REG 2/1/29 HC Series Numerical Register, 1965

REG 2/1/30 HC Series Numerical Register, 1966

REG 2/1/31 HC Series Numerical Register, 1967

[REG 2/2 No records in this series]

REG 2/3/1 HC (and PD) Series General Index, 1935

REG 2/3/2 HC (and PD) Series General Index, 1936

REG 2/3/3 HC (and PD) Series General Index, 1937

REG 2/3/4 HC (and PD) Series General Index, 1938

REG 2/3/5 HC (and PD) Series General Index, 1939

REG 2/3/6 HC (and PD) Series General Index, 1940

REG 2/3/7 HC (and PD) Series General Index, 1941

REG 2/3/8 HC (and PD) Series General Index, 1942

REG 2/3/9 HC (and PD) Series General Index, 1943

REG 2/3/10 HC (and PD) Series General Index, 1944

REG 2/3/11 HC (and PD) Series General Index, 1945

REG 2/3/12 HC (and PD) Series General Index, 1946

REG 2/3/13 HC (and PD) Series General Index, 1947

REG 2/3/14	HC (and PD) Series General Index, 1948
REG 2/3/15	HC (and PD) Series General Index, 1949
REG 2/3/16	HC (and PD) Series General Index, 1950
REG 2/3/17	HC (and PD) Series General Index, 1951
REG 2/3/18	HC (and PD) Series General Index, 1952
REG 2/3/19	HC (and PD) Series General Index, 1953
REG 2/3/20	HC (and PD) Series General Index, 1954
REG 2/3/21	HC (and PD) Series General Index, 1955
REG 2/3/22	HC (and PD) Series General Index, 1956
REG 2/3/23	HC (and PD) Series General Index, 1957
REG 2/3/24	HC (and PD) Series General Index, 1958
REG 2/3/25	HC (and PD) Series General Index, 1959
REG 2/3/26	HC (and PD) Series General Index, 1960
REG 2/3/27	HC (and PD) Series General Index, 1961
REG 2/3/28	HC (and PD) Series General Index, 1962
REG 2/3/29	HC (and PD) Series General Index, 1963
REG 2/3/30	HC (and PD) Series General Index, 1964
REG 2/3/31	HC (and PD) Series General Index, 1965
REG 2/3/32	HC (and PD) Series General Index, 1966
REG 2/3/33	HC (and PD) Series General Index, 1967-1968
REG 2/3/34	HC (and PD) Series General Index, 1969
REG 2/3/35	HC (and PD) Series General Index, 1949 - 1953 for files numbered 5000 and above
REG 2/3/36	HC (and PD) Series General Index, 1954 - 1955 for files numbered 5000 and above
REG 2/3/37	HC (and PD) Series General Index, 1954 - 1955 for files numbered 5000 and above
REG 3	HW series registers and indexes, 1950-1965
REG 3/1/1	HW Series Numerical Register, 1950-1951

REG 3/1/2	HW Series Numerical Register, 1952
REG 3/1/3	HW Series Numerical Register, 1953
REG 3/1/4	HW Series Numerical Register, 1954
REG 3/1/5	HW Series Numerical Register, 1955
REG 3/1/6	HW Series Numerical Register, 1956
REG 3/1/7	HW Series Numerical Register, 1957
REG 3/1/8	HW Series Numerical Register, 1958
REG 3/1/9	HW Series Numerical Register, 1959
REG 3/1/10	HW Series Numerical Register, 1960
REG 3/1/11	HW Series Numerical Register, 1961
REG 3/1/12	HW Series Numerical Register, 1962
REG 3/1/13	HW Series Numerical Register, 1963
REG 3/1/14	HW Series Numerical Register, 1964
REG 3/1/15	HW Series Numerical Register, 1965
REG 3/2/1	HW Series Source Index, 1950 - 1953
REG 3/2/2	HW Series Source Index, 1963
REG 3/2/3	HW Series Source Index, 1964
REG 3/3/1	HW Series General Index, 1950 - 1951
REG 3/3/2	HW Series General Index, 1952 - 1953
REG 3/3/3	HW Series General Index, 1954
REG 3/3/4	HW Series General Index, 1955
REG 3/3/5	HW Series General Index, 1956
REG 3/3/6	HW Series General Index, 1957
REG 3/3/7	HW Series General Index, 1958
REG 3/3/8	HW Series General Index, 1959
REG 3/3/9	HW Series General Index, 1960
REG 3/3/10	HW Series General Index, 1961

REG 3/3/11	HW Series General Index, 1962
REG 3/3/12	HW Series General Index, 1963
REG 3/3/13	HW Series General Index, 1964
REG 3/3/14	HW Series General Index, 1965
REG 3/3/15	HW Series General Index, 1966
REG 3/3/16	HW Series General Index, 1967
REG 4	Bath series registers and indexes, 1939-1945
REG 4/1/1	Bath Series Numerical Register, 1939 - 1941
REG 4/2/1	Bath Series Source Index, 1939 - 1941
REG 4/2/2	Bath Series Source Index, 1942 - 1943
REG 4/2/3	Bath Series Source Index, 1944
REG 4/3/1	Bath Series General Index, 1939 - 1942
REG 4/3/2	Bath Series General Index, 1945
REG 5	HO series registers and indexes, 1939-1945
REG 5/1/1	HO Series Numerical Register, 1939 - 1940
REG 5/1/2	HO Series Numerical Register, 1941 - 1942
REG 5/1/3	HO Series Numerical Register, 1943
REG 5/1/4	HO Series Numerical Register, 1944
REG 5/1/5	HO Series Numerical Register, 1945
REG 6	CIB series registers and indexes, 1914-1915
REG 6/1/1	CIB Series Register and index of Chart Issues Branch files, 1914 - 1915
REG 7	HP series registers and indexes, 1939-1942
REG 7/1/1	HP Series Numerical Register, 1939 - 1942
REG 7/1/2	HP Series Numerical Register, 1939
REG 7/3/1	HP Series General Index, 1939
REG 7/3/2	HP Series General Index, 1940
REG 7/3/3	HP Series General Index, 1941

REG 7/3/4	HP Series General Index, undated
REG 7/3/5	HP Series General Index, undated
REG 7/3/6	HP Series General Index, undated
REG 8	HM series registers and indexes, 1937-1945
REG 8/1/1	HM Series Numerical Register, 1937 - 1945
REG 8/2/1	HM Series Source Index, 1939 - 1943
REG 8/2/2	HM Series Source Index, 1944 - 1945
REG 8/3/1	HM Series General Index, 1940 - 1945
REG 9	NWS series registers and indexes, 1946-1952
REG 9/1/1	NWS Series Numerical Register, 1946 - 1952
REG 9/1/2	NWS Series Numerical Register, 1953 - 1959
REG 9/2/1	NWS Source Index, 1946 - 1952
REG 9/3/1	NWS Series General Index, 1946 - 1952
REG 10	Unidentified series registers and indexes, 1952-1967
REG 10/2/1	Unidentified series Source Index, 1952
REG 10/2/2	Unidentified series Source Index, 1954
REG 10/2/3	Unidentified series Source Index, 1955
REG 10/2/4	Unidentified series Source Index, 1956 - 1957
REG 10/2/5	Unidentified series Source Index, 1958 - 1959
REG 10/2/6	Unidentified series Source Index, 1960
REG 10/2/7	Unidentified series Source Index, 1961
REG 10/2/8	Unidentified series Source Index, 1965
REG 10/2/9	Unidentified series Source Index, 1966
REG 10/2/10	Unidentified series Source Index, 1967
REG 10/2/11	Unidentified series Source Index, 1966
REG 10/2/12	Unidentified series Source Index, 1959
REG 11	Post Books, 1989-2004

- REG 12** HH series working procedures, c. 1990s-2015
- REG 12/1** HH Files series working procedures notes, c. 1990s-2015
- REG 12/2/1-2** Jacketing Officer Instructions, c. 1990s-2015

REG 13 Covers of registered files destroyed from 2010 - 2017

Related records:

- LP** Incoming Letters prior to 1857
- MLP** Miscellaneous Letters and Papers
- MP** Miscellaneous Papers (Remark Books)
- SL** Incoming Surveyors' Letters
- S Papers** S Papers

RNW **Radio Navigational Warnings records**

RNW 1 International conflicts, 1980-2003

RNW 2 Masterlogs, 1983-1995

RNW 3 Printouts of navigational warnings [retained for 5 years only], 2014-2018
[correct in 2019]

RSR **Radio Signals records**

Admiralty Lists of Radio Signals (ALRS) were first published in 1922 and continue to the present day [2019]. These volumes provide a comprehensive source of information on all aspects of maritime radio communication.

There was a great increase immediately after the Second World War in the scope of the ALRS, reflecting both the increase in facilities for ships and the number and size of ship carrying radio equipment, which placed a heavy and continuous load on the section concerned.¹⁷⁴

Record copies of almost all editions are held. Between 1902 and 1922 details of wireless stations were given in Admiralty List of Lights **LLR 1**. Standard copies showing authorities for changes are also held. Some early editions are not divided into volumes, so there is only one volume per year.¹⁷⁵

RSR 1	Published volumes of ALRS, 1973-2016
RSR 2	ARLS weekly updates, 1970-2015
RSR 3	ARLS annotated record copies, 1922-2016
RSR 4	ARLS Senior Editors' interleaved record copies, 1991-2017
RSR 5	ARLS small craft annotated and interleaved, 1980-1983
RSR 6	ROFAC Radio Guides, 1981-1984
RSR 7	Annotated record copies of ALRS: Radio Beacon Diagrams, 1971-1990
RSR 8	Annotated record copies of ALRS: Weather Reporting and Forecast Area Diagrams, 1974-1989
RSR 9	Annotated record copies of ALRS: Radio Communication and Position-Fixing System Diagrams, 1975-1990
RSR 10	Annotated record copies of ALRS: Port Operations, Pilot Services and Traffic Management Diagrams, 1982-1989
RSR 11	Records of the history and development of ALRS, 2015
RSR 12	Admiralty Lists of Radio Signals (ALRS) index cards, c. 1970-2000
RSR 13	Admiralty Lists of Radio Signals, 1937-1969

¹⁷⁴ Morris, *Charts and Surveys in Peace and War*, p.156.

¹⁷⁵ Down, *Guide to the UKHO Archive*.

Related records:

LLR 1	Lights List records
NPR 95	<i>The Guide to Publications and Information Services</i> (1985) contains general details on the use and purpose of the List of Radio Signals

S Papers

S Papers

This series comprises correspondence with officers in charge of surveys. It is mainly incoming letters, but includes some annotations by office staff after information was received. This collection forms the bulk of the correspondence received in the office between 1866 and 1908, after which the system of 'jackets' (files) was introduced. The records have been subject to weeding in the past, with the result that some data has been lost.

In the 1870s the series was divided into four sub-series:

S Series comprises numbered letters from officers in charge of surveys.

M Series comprises numbered letters with miscellaneous hydrographic information from a variety of sources including officers no longer in charge of surveys.

IS Series comprises letters from officers in charge of surveys in the Indian Marine.

Misc Series This sub-series comprises unnumbered letters and documents sorted into bundles. Contents vary year to year, but normally contain some of the following: Astronomer Royal or Greenwich Observatory, Government Departments, Board of Trade, War Office, India Office, Colonial Office, Foreign Office, Ordnance Office, Meteorological Office, Lloyds, Trinity House, Northern Lights, Irish Lights, miscellaneous letters and miscellaneous hydrographic. Government department bundles include letters and documents from the War Office, India Office etc when these are not in separate bundles.¹⁷⁶

These records were assigned the prefix ADM 348, but are not held by TNA. They remain at UKHO.

S Papers: S Series S series of S papers, 1877-1916

S Papers: M Series M series of S papers, c. 1870-1897

¹⁷⁶ David, *A Provisional Catalogue of Logs, Journals, Documents, Letters, Record Copies of Books and Pamphlets*, p. N3.

S Papers: IS Series IS series of S papers, 1875-1915

S Papers: Misc Series Miscellaneous series of S papers, 1866-1913

Some correspondence up to 1908, which was used for amending Sailing Directions and retained by that branch, can be found in **SAR 11** Pads, or in the **OD** series. Some papers were transferred to the Geographical Positions series **GDY 5-7**, **TBR**, **MLP** and **S Papers: S Series**. Related material is held in **MLP 158** and **SL**.

Related records:

GDY 5-7	Geographical Positions
MLP	Miscellaneous Letters and Papers
OD	Original Documents
SAR 11	Pads
SL	Incoming Surveyors' Letters
TBR	Tidal Branch records

SAR Sailing Directions Branch records

The first printed sailing direction was published by Dalrymple in 1798. Admiralty sailing directions were published in a standard size by Parry in 1828. In 1970 the size was changed to A4 and continues to the present day [2019]. The style of text became more succinct, and the change to metric units was made.^{177,178} They amplify charted details and contain information needed for safe navigation which is not available from charts or other hydrographic publications. In 1908 sailing directions began to embody views and the following year the title of Superintendent of Sailing Directions was established.¹⁷⁹

For source data received between c. 1857 and 2004 that was seen by revisers of Admiralty Sailing Directions, a record was made by the reviser in an 'interleaved' copy of the previous published edition. The earliest interleaved copy of Sailing Directions is for the North Sea Pilot in 1857.¹⁸⁰ In most cases there are two interleaved copies of each book. The 'Jacketing Officer's' interleaf was used for recording new incoming information and the 'Reviser's' interleaf was used to record authorities

¹⁷⁷ Morris, *Charts and Surveys in Peace and War*, p.215

¹⁷⁸ Ex inf Dr Adrian Webb, 2017.

¹⁷⁹ Day, *The Admiralty Hydrographic Service*, pp.217 and 346.

¹⁸⁰ Day, *The Admiralty Hydrographic Service*, p.74.

for changes to the text. These volumes should be used with caution as many of the earlier entries are heavily abbreviated and many of the sources, especially publications, cited are no longer held in the UKHO. This system was phased out from 1995 when digital versions of the directions began to be compiled.¹⁸¹

On the outbreak of war in 1939, Sailing Directions Branch moved to the Royal School in Bath. In 1941 The Royal School was becoming overcrowded and the Branch moved again, to Ensleigh on Lansdown Hill.¹⁸²

By the late 1960s there had been concern for some time that in contrast to other publications produced by the Department, the volumes of sailing directions still maintained the format and language of the nineteenth century.

With the exception of a few early editions, a complete set of all editions is held. Record copies¹⁸⁴ of supplements to Sailing Directions and of Hydrographic Notices, issued in the latter half of the nineteenth century to promulgate major new additions to Sailing Directions, are also held (**SAR 2**).¹⁸⁵

Current geographical limits of sailing directions are printed in The Mariners' Handbook **NPR 100** and the Admiralty Chart Catalogue **NP 131**. Where the geographic coverage of volumes has changed over the years a very useful hand-list detailing these changes and showing the titles of previous volumes is held in the Research Room: '*UK Hydrographic Office sailing directions: major changes of series, title, limits and format 1820-1995*' by Dr A.S. Cook.¹⁸⁶

J.S.N. Pryor's *A Record of Officers Employed in Revising Admiralty Sailing Directions 1828-1982* (1983) is held in the Research Room Library.

SAR 1	Record copies and interleaved editions of Admiralty Sailing Directions, 1830-2016
SAR 2	Supplements to Admiralty Sailing Directions, 1855-2006
SAR 3	Catalogues and indexes to Sailing Directions, 19 th century-1946
SAR 4	Sailing Directions Notices to Mariners, 1982-2007
SAR 5	Office working records, 1919-1996
SAR 6	Incoming data retained by Sailing Directions Branch, 1930s-1980s

¹⁸¹ Webb, *Charting Procedures and Standards*, section 0003.8.

¹⁸² Morris, *Charts and Surveys in Peace and War*, pp.108-109.

¹⁸⁴ Ref **OPT 1030**

¹⁸⁵ Down, *Guide to the UKHO Archive*.

¹⁸⁶ Ref **OPT 3031**; Ex inf Dr Adrian Webb, 2017.

- SAR 7** Views and chartlets arranged by Sailing Directions volume number, 1920s-1980s
- SAR 8** Instructions for revising Sailing Directions, 1896-c. 1995
- SAR 9** Experimental Sailing Directions publications, 1980s
- SAR 10** Non-standard Sailing Directions publications, 1913-1944
- SAR 11** Pads, 1840-1908
- SAR 12** Letters between surveying officers and the Superintendent of Sailing Directions, 1856-1941

Related records:

- H** H Series files
- HH** HH series files
- NPR 95** *The Guide to Publications and Information Services* provides general details on the use and purpose of Sailing Directions
- NPR 100** *The Mariners' Handbook* includes current geographical limits of sailing directions

SCR **Ships' commissioning records**

This is a small series. Any information of note should have been recorded in a registered file (**REG**) from 1908-2010. Other record series contain information on this subject such as **H**, **LB**, **MB**, **MLP**, etc.¹⁸⁷

- SCR 1** HMS *Somerset* Commissioning Book, 1975

Related records:

- REG** Registered files

¹⁸⁷ Ex inf Dr Adrian Webb, 2017.

SCT **Secretariat records**

Records created and held by the Secretariat.

- SCT 2** Telephone directories, 1966-2000
- SCT 3** Organisational diagrams, c. 1950-1999
- SCT 4** Visitors books, 1961-ongoing
- SCT 5** Calendars, 1993-2000
- SCT 6** Bicentenary material, 1995
- SCT 7** UKHO Christmas cards, 1914 onwards
- SCT 8** Hydrographic Office standing orders, 1932-1990s
- SCT 9** Site development papers, 2007-2008
- SCT 10** Trading fund status information and miscellaneous letters, c. 1984
- SCT 11** Line managers' briefing packs, c. 2009-c. 2012
- SCT 12** Press releases, 1990s
- SCT 13** Photographic record of HMS *Challenger* cruise, 1950-1953
- SCT 14** Press cuttings, c. 1960s
- SCT 15** Framed Queen's Award for Export Achievement, 1978-1983
- SCT 16** Signal concerning British Forces departure from Hong Kong, 1997
- SCT 17** External awards and certificates, 1990s

Related records:

H H Series files

HH HH series files

SFD **Survey field data**

This collection comprises hydrographic data gathered by Royal Naval, contract and port surveyors and submitted to the Hydrographic Office.

The collection includes some wreck data, but please note that prior to 1915 wreck records were not kept in a distinct collection and as such details can be found in a variety of series of records including the **HH** files and original surveys. In 1915 a card index of wreck details was begun, which was

converted into electronic format in the 1970s. The old cards are in ACS 2019/182. This database can be searched by UKHO staff.

From 1826 the majority of survey data received in the HO was given a unique accession number, along with other materials collected during the survey. Over the years these different types of data were split up, used and stored by different branches. Subsequently many different classes contain data collected during the course of a survey, which in an ideal world would have been kept together. This is a good reflection of the fact that the HO is a working archive and decisions were made outside of the archive to use and store different types of data to the best use of the department.¹⁸⁸

‘SFD 7-SFD 10 Survey Data Books Guide’, compiled by Dr Adrian Webb in 2017, is available electronically and in hard copy format in the Research Room. **SFD 16** is complimented by the HHS series which are reports relating to surveys that were stored with the **HA** and **HH** registered files. Some items in these series are closed.

SFD 1	Survey field data sonar tracks on paper, 1960s-2000s
SFD 2	Survey field data sonar tracks on cinefilm, c. 1960s
SFD 3	Returns of hydrographic surveys, 1851-2010
SFD 4	Wreck data, c. 1960s-1990s
SFD 5	Oceanographic data, c. 1960s-1990s
SFD 6	Survey data, 1969-2003
SFD 7	Astronomical Observation Books, 1825-1894
SFD 8	Survey Data Books, c. 1820-1980
SFD 9	Miscellaneous (Triangulation) Books, 1801-1955
SFD 10	Triangulation Guard Books, 1849-1946
SFD 11	Royal Naval field data, 1960s-1970s
SFD 12	Surveying order books, 1904-1911
SFD 13	Photographic records of Royal Naval surveying, 1950-1989
SFD 14	Forms for submitting field data, 1960s-1987
SFD 15	Hydrographic Note H.102 from HMS <i>Hecla</i> , 1993

¹⁸⁸ Ex inf Dr Adrian Webb, 2017.

SFD 16	Reports of surveys, c. 1850-2000
SFD 17	Named reports by the Hydrographic Office, 1970s-2000
SFD 18	River Thames port survey, 1954-1973
SFD 19	Plotting sheets and survey data from Royal Navy ships, 1950s-1990s
SFD 19/1	Digital Cruise, plotting sheets and survey data from Royal Navy ships which were digitised, 1991-1999
SFD 19/1/1	Digital Cruise plotting sheets, 1991
SFD 19/1/2	Digital Cruise plotting sheets, 1992
SFD 19/1/3	Digital Cruise plotting sheets, 1993
SFD 19/1/4	Digital Cruise plotting sheets, 1994
SFD 19/1/5	Digital Cruise plotting sheets, 1995
SFD 19/1/6	Digital Cruise plotting sheets, 1996
SFD 19/1/7	Digital Cruise plotting sheets, 1997
SFD 19/1/8	Digital Cruise plotting sheets, 1999
SFD 19/2	Plotting sheets and survey data from Royal Navy ships 1951-1954, 1956-1995
SFD 19/2/1	Plotting sheets and survey data from Royal Navy ships, 1951
SFD 19/2/2	Plotting sheets and survey data from Royal Navy ships, 1952
SFD 19/2/3	Plotting sheets and survey data from Royal Navy ships, 1953
SFD 19/2/4	Plotting sheets and survey data from Royal Navy ships, 1954
SFD 19/2/5	Plotting sheets and survey data from Royal Navy ships, 1956
SFD 19/2/6	Plotting sheets and survey data from Royal Navy ships, 1957
SFD 19/2/7	Plotting sheets and survey data from Royal Navy ships, 1958
SFD 19/2/8	Plotting sheets and survey data from Royal Navy ships, 1959
SFD 19/2/9	Plotting sheets and survey data from Royal Navy ships, 1960
SFD 19/2/10	Plotting sheets and survey data from Royal Navy ships, 1961
SFD 19/2/11	Plotting sheets and survey data from Royal Navy ships, 1962
SFD 19/2/12	Plotting sheets and survey data from Royal Navy ships, 1963

SFD 19/2/13 Plotting sheets and survey data from Royal Navy ships, 1964

SFD 19/2/14 Plotting sheets and survey data from Royal Navy ships, 1965

SFD 19/2/15 Plotting sheets and survey data from Royal Navy ships, 1966

SFD 19/2/16 Plotting sheets and survey data from Royal Navy ships, 1967

SFD 19/2/17 Plotting sheets and survey data from Royal Navy ships, 1968

SFD 19/2/18 Plotting sheets and survey data from Royal Navy ships, 1969

SFD 19/2/19 Plotting sheets and survey data from Royal Navy ships, 1970

SFD 19/2/20 Plotting sheets and survey data from Royal Navy ships, 1971

SFD 19/2/21 Plotting sheets and survey data from Royal Navy ships, 1972

SFD 19/2/22 Plotting sheets and survey data from Royal Navy ships, 1973

SFD 19/2/23 Plotting sheets and survey data from Royal Navy ships, 1974

SFD 19/2/24 Plotting sheets and survey data from Royal Navy ships, 1975

SFD 19/2/25 Plotting sheets and survey data from Royal Navy ships, 1976

SFD 19/2/26 Plotting sheets and survey data from Royal Navy ships, 1977

SFD 19/2/27 Plotting sheets and survey data from Royal Navy ships, 1978

SFD 19/2/28 Plotting sheets and survey data from Royal Navy ships, 1979

SFD 19/2/29 Plotting sheets and survey data from Royal Navy ships, 1980

SFD 19/2/30 Plotting sheets and survey data from Royal Navy ships, 1981

SFD 19/2/31 Plotting sheets and survey data from Royal Navy ships, 1982

SFD 19/2/32 Plotting sheets and survey data from Royal Navy ships, 1983

SFD 19/2/33 Plotting sheets and survey data from Royal Navy ships, 1984

SFD 19/2/34 Plotting sheets and survey data from Royal Navy ships, 1985

SFD 19/2/35 Plotting sheets and survey data from Royal Navy ships, 1986

SFD 19/2/36 Plotting sheets and survey data from Royal Navy ships, 1987

SFD 19/2/37 Plotting sheets and survey data from Royal Navy ships, 1988

SFD 19/2/38 Plotting sheets and survey data from Royal Navy ships, 1989

SFD 19/2/39 Plotting sheets and survey data from Royal Navy ships, 1990

- SFD 19/2/40** Plotting sheets and survey data from Royal Navy ships, 1991
- SFD 19/2/41** Plotting sheets and survey data from Royal Navy ships, 1992
- SFD 19/2/42** Plotting sheets and survey data from Royal Navy ships, 1993
- SFD 19/2/43** Plotting sheets and survey data from Royal Navy ships, 1994
- SFD 19/2/44** Plotting sheets and survey data from Royal Navy ships, 1995
- SFD 19/3** Plotting sheets and survey data from Royal Navy ships miscellaneous items, 1950s-1990s

Including Mammerick X and Fisher plotting sheets, index of contour sheets and National Institute of Oceanography contour sheets and General Bathymetric Charts of the Oceans Canada
- SFD 19/4** Miscellaneous plotting sheets, formerly held by HDC DR, with index, 1950s-1990s
 - SFD 19/4/1** Miscellaneous plotting sheets - Australia
 - SFD 19/4/2** Miscellaneous plotting sheets - Canada
 - SFD 19/4/3** Miscellaneous plotting sheets - Chile
 - SFD 19/4/4** Miscellaneous plotting sheets - France
 - SFD 19/4/5** Miscellaneous plotting sheets - Germany
 - SFD 19/4/6** Miscellaneous plotting sheets - Indonesia
 - SFD 19/4/7** Miscellaneous plotting sheets - Japan
 - SFD 19/4/8** Miscellaneous plotting sheets - Netherlands
 - SFD 19/4/9** Miscellaneous plotting sheets - New Zealand
 - SFD 19/4/10** Miscellaneous plotting sheets - Philippines
 - SFD 19/4/11** Miscellaneous plotting sheets - South Africa
 - SFD 19/4/12** Miscellaneous plotting sheets - Turkey
 - SFD 19/4/13** Miscellaneous plotting sheets - United States of America
 - SFD 19/4/14** Miscellaneous plotting sheets - Med
 - SFD 19/4/15** Miscellaneous plotting sheets - South America

Related records:

ADM 344	Views
H	H Series files
HH	HH series files
OCY	Oceanography records
OD	Original documents
PGY	Photogrammetry
WKO	Wrecks Office records
	Original surveys

SL **Incoming Surveyors' Letters**

Letters received from surveying officers. This is an incomplete collection. In 1975 the **S Papers** series was rearranged and some letters transferred to form a continuation of **SL**.

Letters dating from 1823-1866 are indexed in Historical Indexes 6-11 (**UHR 2/6**). There are also three indexes for 1866-1913 arranged alphabetically by officer's surname (**IMB**).

SLI Incoming Surveyors' Letters, 1823-1966

Related records:

LB	Letter books of 'out' letters, 1815-1893
LP 1857	Incoming Letters prior to 1857
MB	Minute books, 1825-1912
MLP	Miscellaneous Letters and Papers
MLP 158	Abstracts of Letters Received
UHR 2/6	Historical Indexes

The HH numbers found on labels stuck to the spines of the volumes were assigned by the Hydrographic Department in 1958 and refer to abstracts made for Admiral Day's *History of the Hydrographic Service 1795-1919*. For volumes of abstracts see Historical Indexes **UHR 2/6**.

These are listed in The National Archives' Discovery catalogue as ADM 347, but are not held by TNA. They remain at the UKHO.

SMB 1 Special Minute Books, 1899-1922

Related records:

UHR 2/6 Historical Indexes

SPD **Ships' plans and diagrams**

SPD 1 Ships' plans and diagrams, 1964-1965

SPD 2 Engineering drawings of equipment on survey vessels, 1870s-1880s

Related records:

H Registered files

MLP Miscellaneous letters and papers

SPR **Survey planning records**

SPR 1 Surveys required and undertaken, 1919-1987

Related records:

REG Registered files

SFD Survey Field Data

TBR

Tidal Branch records

In the late 1820s in Britain there was a revival of interest in the study of tides. Prior to this 'the obvious importance to commercial and naval navigation ensured that tide tables for a number of ports were compiled and published by private individuals, but with little more than a pretence to accuracy'.¹⁹⁰ In 1834 Beaufort was instrumental in setting up a survey in which tidal observations were to be taken continuously and simultaneously by Coast Guard officers around the British Isles.¹⁹¹ The experiment was repeated in 1835, when the scope was extended, at Beaufort's suggestion, to include observations at 537 stations in the British Isles as well as 28 on the east coast of the United States, 24 in Denmark, 24 in Norway, 18 in the Netherlands, 16 in France, seven in Spain, seven in Portugal, and five in Belgium.¹⁹²

Tide Tables were first published by the Hydrographic Office in 1833 and continue to the present day [2019]. The 1833 tables gave predictions for the four principal home ports only. Those in 1914 gave predictions for 26 British and 14 colonial and foreign ports.¹⁹³ By 1858 the Tide Tables contained predictions for 23 home ports and one colonial port.¹⁹⁴

In 1831 there was one clerk helping with tidal information. By 1855 there was still one tidal computer.¹⁹⁵ A Superintendent of Tidal Work was not appointed until 1917.¹⁹⁶ By the 1930s Tidal Branch was staffed by a naval Superintendent and four naval assistants.¹⁹⁷

In 1924, Tides moved out of the Admiralty building into Cornwall House, at the southern end of Waterloo Bridge. On the outbreak of war in 1939, the Department moved to the Royal School in Bath. However, by 1941 The Royal School was becoming overcrowded and the Department moved again, to Ensleigh on Landsdown Hill.¹⁹⁸

Tide Tables have been published in metric units since 1972.¹⁹⁹

The collection includes material from the nineteenth century to the present day [2019]. Foreign tide tables are also kept in the Archive, but are destroyed after ten years. Unfortunately only a handful of pre-1950 original tidal observations have survived and are scattered amongst different series, including **HH**, **OD** and **SFD 8**.

TBR 1

Tidal analysis records created by UKHO, 1940s-2000s

¹⁹⁰ Cock, *Sir Francis Beaufort*, p.119.

¹⁹¹ Cock, *Sir Francis Beaufort*, p.126.

¹⁹² Cock, *Sir Francis Beaufort*, pp.130-133.

¹⁹³ *War Work of the Hydrographic Department*, p.78.

¹⁹⁴ Day, *The Admiralty Hydrographic Service*, p.47.

¹⁹⁵ Morris, *Charts and Surveys in Peace and War*, p.11.

¹⁹⁶ Day, *The Admiralty Hydrographic Service*, p.346.

¹⁹⁷ Morris, *Charts and Surveys in Peace and War*, p.80.

¹⁹⁸ Morris, *Charts and Surveys in Peace and War*, pp.34 and 108-109

¹⁹⁹ Morris, *Charts and Surveys in Peace and War*, p.215.

TBR 2	Tidal stream atlas working copies, 1940s-2000s
TBR 3	IHB constants data, 1930s-1950s
TBR 4	Tidal Branch reference books, 1880s-1990s
TBR 5	North Sea Hydrographic Commission, 1992-1993
TBR 6	Barograph records, 1960s-1970s
TBR 7	Lt-Cdr Merriman papers on tidal theory, 1940s-1990s
TBR 8	Port Authority discs of tidal data, 1980s-2000s
TBR 9	Tidal streams data, 1890s-1990s
TBR 10	Tidal streams computer calculations, 1970s
TBR 11	Tide pole readings, 1960s-1980s
TBR 12	Ordnance Survey bench mark lists, 1940s-1970s
TBR 13	Annotated record copies of Admiralty Tide Tables, 1833-2015
TBR 14	Charts examined by Tidal Branch and updated at NE or NC stage, 1988-2008
TBR 15	Published Admiralty Tide Tables, 1833-2016
TBR 16	Tidal levels and datums including tide observations, mid-19 th century - 1974
TBR 17	British and European tidal streams records, 1900s-1940s
TBR 18	Tidal stream observation records, 1950s-2000s
TBR 19	Total tide and tide calc, 1990s-2005
TBR 20	Rhu Narrows tidal stream data, 1990s-2011
TBR 21	Tidal data supplied by third parties, 1950s-2000s
TBR 22	Minutes of the Tidal Committee, 1923-1924
TBR 23	Tidal gauge print outs, c. 1976-c. 1989
TBR 24	Tidal stream ledgers, 19 th century – early 21 st century
TBR 24/1	Tidal stream ledger numbers 0-99, 19 th century – early 21 st century
TBR 24/2	Tidal stream ledger numbers 100-199, 19 th century – early 21 st century
TBR 24/3	Tidal stream ledger numbers 200-487, 19 th century – early 21 st century
TBR 24/4	Tidal stream ledger numbers 488-999, 19 th century – early 21 st century

TBR 25	Tides benchmark cards, with index ledger, 19 th century – early 21 st century Mainly for the UK, includes some overseas
TBR 26	Tidal harmonic constants cards, H246a, 19 th century – early 21 st century
TBR 27	Ledger of chart index notes, 19 th century – early 21 st century
TBR 28	Blank Tidal Branch forms kept as samples of working methods, 19 th century – early 21 st century
TBR 29	Files of information created by Tidal Branch, outside of the official Hydrographic Office filing systems, 20 th century Includes N. Glen and surveys
TBR 30	Perth Tidal data 0236b, 1999-2000 Tide graph records
TBR 31	Box of drawing instruments, HO 801, Undated
TBR 32	Admiralty Tidal handbooks, various editions, 1964-1986 NP 122 (1-3)
TBR 33	Global Ocean Harmonic Co-Tidal Atlases and IHO Tidal Constituent Bank Stationary Catalogues, 20 th century
TBR 34	Quality Managements Systems

Related records:

HH	HH series files
NPR 95	<i>The Guide to Publications and Information Services</i> provides general details on the use and purpose of Tide Tables
OD	Original documents
SFD 8	Survey data books

UHR **Unofficial hydrographic records**

This collection comprises material created and accumulated by former members of Hydrographic Office staff and others which is not of an official nature, but is relevant to the activities within the Department or the wider field of hydrography. Notable omissions from this series are the Parry,

Friendly and Beaufort Papers in the **MLP** series. A large number of unofficial hydrographic records can be found in the accession system which are waiting to be catalogued.

- UHR 1** Hydrographers of the Navy, 1830s-c. 2003
- UHR 2** Other Hydrographic Office staff, 19th century-2015
- UHR 3** Non-Hydrographic Office staff, c. 1902-c. 2015

Related records:

- HOP** Hydrographic Office pictures
- MLP** Miscellaneous Letters and Papers

UNR Unidentified records which require further attention

- UNR 1** Proofs of engravings of standard text used for appointments, c. 1910-1936
- UNR 2** Radar station pointer, undated [20th century]
- UNR 3** North Sea Project Slides, 1970s
- UNR 4** Unknown photograph of men in uniform, undated [c. 1890s]

USR Unofficial staff records (including clubs, societies, publications etc)

Many unofficial staff activities are recorded in the different in-house magazines. Some items in the Artifact series relate to these activities.²⁰⁰

- USR 1** Beaufort Society Papers, 1953-2000
- USR 2** Civil Service Mariners Football Club photos, accounts and reports, 1970s-1980s

²⁰⁰ Ex inf Dr Adrian Webb, 2017.

Related records:

ART	Artifacts
MAM	Marketing advertising material

WKO Wrecks Office records

Records created by the Wrecks Office. Information concerning wrecks was recorded in the registered filing system and onto a card system. The information in the card system was computerised and 'Wrecks Database' created. A sample selection of cards has been retained.²⁰¹ A subseries within the SFD series contains information on wreck surveys, please ask archive staff for assistance accessing these.

WKO 1	Reference Materials, 1860-1950
WKO 2	Register of Norwegian, Swedish and Danish vessels lost during the First World War, undated [20 th century]
WKO 3	German grid system diagrams, undated [20 th century]
WKO 4	Wreck charts with index, 1939-1945

Related records:

REG	Registered files
SFD	Survey field data

Hydrographic surveys and incoming data, 1713-2016

This series contains hydrographic surveys predominantly conducted and drawn by officers of the Royal Navy and other individuals, as well as printed navigational charts and maps acquired from other sources, including the Hon. East India Company, commercial publishers and foreign governments. Constructed predominantly for navigational purposes. Coverage ranges from small anchorage areas to whole oceans. Content varies, but surveys and charts often include depths, navigational features, high and low water marks, views of the coast, lighthouses, buoys, topography

²⁰¹ Ex inf Dr Adrian Webb, 2017.

and land marks. Maps contain more topographic information with less focus on the coastline, and more commonly include details of land use, buildings and settlements.

This series includes 24 sheets, in manuscript, of Capt. Greenville Collins' surveys of Great Britain, 1681-1687; Captain Cook's survey of the east coast of Australia, 1770s; Sir Ernest Shackleton's tracks of his failed attempt to reach the South Pole, early 20th century, amongst, approximately 100,000 sheets in this large series.

Today approximately 400 surveys are received electronically, including those by Royal Navy Surveying Squadron, contract survey companies and other contractors and developers. All are registered and copied before being evaluated by the relevant chart branch.

Many have been published in their entirety, or included in part, as printed Admiralty charts (**OCB** and **AAC** series).

Items in this series received in the Hydrographic Office from 1795 were allocated reference numbers in 1824 and the numbering system was in use until 2008. This series does not have a three letter prefix as the other collections have. The reason for this is because the reference numbers on these documents have been widely cited. The documents have been cited internally to the Admiralty and the Hydrographic Office since 1826. After World War Two the office published Professional Paper 13 which opened up this collection to a very wide audience. To change this would inevitably cause a great deal of confusion.

*Please note: a number of the earliest dated surveys have already been transferred to The National Archives and are held as ADM 352. This includes Captain Cook's survey of New Zealand and Captain Matthew Flinders' surveys of Terra Australis and Australia.

Related records:

CRB	Composite Remark Books
H	H files
HD	HD Papers
HH	HH files
IRB	Individual Remark Books
MB	Minute books (enclosures)
MLP	Miscellaneous Letters and Papers
MP	Miscellaneous Papers (Remark Books)
MR	Miscellaneous rolls
OD	Original Documents
S Papers	S Papers

SFD

Survey field data

From 2008 surveys will only be found in the Source Data Receipt and Acquisition System (SDRA) which archive staff can advise on accessing. Surveys within the United Kingdom's waters can be found at the Admiralty Marine Data Portal²⁰².

²⁰² <https://data.admiralty.co.uk/portal/apps/sites/#/marine-data-portal> [accessed Mar 2019]

Appendices

Appendix 1: Hydrographers of the Navy²⁰³


Dates Served	Name
1795 – 1808	Alexander Dalrymple
1808 – 1823	Captain Thomas Hurd
1823 – 1829	Rear-Admiral Sir William Parry
1829 – 1855	Rear-Admiral Sir Francis Beaufort
1855 – 1863	Rear Admiral John Washington
1863 – 1874	Vice Admiral Sir George Richards
1874 – 1884	Captain Sir Frederick Evans
1884 – 1904	Rear Admiral Sir William Wharton
1904 – 1909	Rear Admiral Mostyn Field
1909 – 1914	Rear Admiral Herbert Purey-Cust
1914 – 1919	Rear Admiral Sir John Parry
1919 – 1924	Vice Admiral Frederick Learmonth
1924 – 1932	Vice Admiral Percy Douglas
1932 – 1945	Vice Admiral Sir John Edgell
1945 – 1950	Rear Admiral Arthur Norris Wyatt
1950 – 1955	Vice Admiral Sir Archibald Day
1955 – 1960	Rear Admiral Kenneth Collins
1960 – 1966	Rear Admiral Sir Edmund Irving

²⁰³ Wikipedia, 'Hydrographer of the Navy', <https://en.wikipedia.org/wiki/Hydrographer_of_the_Navy>, (viewed 24/08/2016).

1966 – 1971	Rear Admiral George Ritchie
1971 – 1975	Rear Admiral Geoffrey Hall
1975 – 1985	Rear Admiral Sir David Haslam
1985 – 1990	Rear Admiral Roger Morris
1990 – 1994	Rear Admiral John Myres CB
1994 – 1996	Rear Admiral Nigel Essenhigh
1996 – 2001	Rear Admiral John Clarke
2001 – 2003	Captain Mike Barritt
2003 – 2005	Captain David Lye
2005 – 2007	Captain Ian Turner
2007 – 2010	Captain Robert Stewart
2010 – 2012	Captain Vaughan Nail
2012 – 2013	Captain Stephen Malcolm
2013 – 2016	Captain David Robertson
2016 - 2017	Captain Matt Syrett
2017 – present [2019]	Captain Gary Hesling

Appendix 2: Abbreviations

A. Abbreviations in the survey ledgers, 1826-2008 (COD 1)

△	triangulation
	Survey by H.R.H. The Prince of Wales
(prelim)	preliminary
Adlty.	Admiralty
Ady.	Admiralty
Anch	anchorage
Anche	anchorage
Archo	archipelago
B	Bay
B.A.	British Admiralty
C	Cape
c	Corrections
corr	corrections/corrected
C in C	Commander in Chief
Capt	Captain
CE	civil engineer(s)
CG	coastguard
cht.	chart
chts.	charts
Co	company
Com	Commander
Commr	Commissioner?
Corpn	corporation
Dig	digital
drgs	drawings
e	environs
EC	east coast
ECT	Entry crossed through
E.I.C.	East India Company

Fd	fiord
Ft	fort
G.	Gulf
Hd	head
H.E.I.C.	Honorable East India Company
Hr	harbour
I	island
I	India (office charts and surveys)
IN	Irish Navy
Is	islands
Jap. Chart	Japanese chart
L	lake
Lieut	Lieutenant
Lt	Lieutenant
Lt	Light
m	military?
Mag	magnetic survey
Ms	manuscript
Mt	mount
NC	north coast
NEC	north east coast
Nos	numbers
NWC	north west coast
O/S	Ordnance Survey
OCB	Old copy bundle
Ord	Ordnance
P	Print
P	port
PI	plan
P/S	plotting sheet
P/Sheets	plotting sheets
perm.	permatrace
perms.	permatraces
pl.	plotting sheet

pos.	positive
Pr	Prince
prelimy.	preliminary
Promy	promontory
Pt	Point
Pta	Punta
pts	prints
R	river
Rf	reef
Rfs	reefs
RK	rock
RMS	Royal mail ship
R.O.S.	report of survey
RYS	Royal yacht squadron
SC	south coast
SEC	south east coast
Sd	Sound
S.Pt	Sun print
S.Pts	Sun prints
Sndgs.	Soundings
SS	steam ship
Tr	Tracing
Trans.	Transparency
Transpt.	Transparent
Transt.	Transparent
US	United States
U.S. chart	United States chart
WC	west coast

B. Scale abbreviations in the Survey Ledgers, 1826-2006 (COD 1)

m	minute
d	degree

The figures of scale denote inches and tenths. This system was introduced in the 1850s and should be used in conjunction with the scale table held in the Research Room.

C. Shelf mark abbreviations in the Survey Ledgers, 1826-2006 (COD 1)

1. Geographical key to shelf marks

- A North and South America, general and interior
- Aa North America, general maps
- Ab South America, general maps
- Ac Behring Strait to Panama
- Ad Panama to Magellan Strait
- Ae South Shetlands and adjacent
- Af Tierra del Fuego to R. Orinoco
- Ag West Indies, Gulf of Mexico, Florida
- Ah Florida to Hudson Strait, Bermuda
- Ai Hudson Strait and Polar
- Ak East Coast of Greenland, Iceland, Spitzbergen
- Al Tracks on North America and West Indies Station
- Am Tracks on South America Station
- B Asia, general and interior
- Ba Arabia to Malacca Strait
- Bb Eastern Archipelago, Philippines and South East Asia to Yellow Sea
- Bc China, Japan to Behring Strait
- Bd North and South Pacific, Indian Ocean and Tracks
- Be Tracks to and from India and East India Station
- Bf Plans of Towns etc in Asia
- C Africa, general and interior
- Ca Gibraltar Strait to Cape of Good Hope
- Cb East Coast of Africa and Madagascar
- Cc Red Sea, Caspian Sea
- Cd General charts, Mediterranean and tracks
- Ce Gibraltar to Messina
- Cf Adriatic

- Cg Morea Archipelago, Karamania
- Ch Dardanelles, Black Sea
- Ci Mediterranean, South Shore, Egypt, Syria
- Ck Tracks to and from Cape of Good Hope
- Cl Plans of Towns in Africa
- D Europe, General and interior
- Da Great Britain, general maps
- Db Channel and North Coast of France
- Dc South Coast of England
- Dd Ireland, West Coast of England, Scotland
- De Shetlands to Dover, East Coast of England and Scotland
- Df North Sea and France to Norway
- Dg Sleeve, Cattegat and Baltic
- Dh North Coast of Europe and Asia
- Di North and South Atlantic general charts and tracks
- Dk Bay of Biscay and West Coast of France
- DI Spain and Portugal to Strait of Gibraltar
- Dm Europe countries, maps
- Dn Plans of Towns in Europe
- Do Canals, Docks, Railroads in England
- E Pacific Islands
- F Australia, New Guinea, Solomons
- G Maps and Charts of the World. Variation Charts, Tracks of Circumnavigators, and maps of North and South Hemispheres.

Other shelf marks:

- He Bay of Bengal
- Hm Kattegat, Baltic
- Ho Baltic
- Hu Denmark
- Js Japan south coast
- P Pacific Ocean
- Pe Pacific, north Pacific
- Ph France

Os	Scotland east coast
Rp	Gibraltar, Mediterranean, Sicily
Sr	Japan
Tp	North America
Ts	Greenland, Arctic Ocean
Ut	South America east coast
Ve	New Guinea, Philippines, Bay of Bengal

2. Shelf Mark abbreviations for 'Folios'

C America	Central America
Eastern Arch.	Eastern Archipelago
Fol.	Folio
Med	Mediterranean
N Sea	North Sea
NZ	New Zealand
S America	South America
Scot	Scotland
Tracks	Tracks of soundings recorded of voyages
US	United States of America
View	Coastal views of landfalls, harbours, etc
W Indies	West Indies

There are also folios covering Africa, Atlantic, Australia, Baltic, Canada, China, England, France, India, Indian Ocean, Ireland, Japan, North Sea, Pacific, Spain, and Spain and Portugal.

D. Abbreviations in the Journals of Engraving (NMR 2)

fms	fathoms
H.N.	Hydrographic Note
H.O.	Hydrographic Office
I.S.D.	Interleaved Sailing Direction
J. of E.	Journal of Engraving
Lt.	light

N.I.D.	Naval Intelligence Department
S.D.	Sailing Direction
U.S.	United States of America

E. Abbreviations in the Catalogue of Old Chart Bundles (OCB)

s	Shilling - Prefix with "Pr." Only record up to and including 1866
d	Pence - Prefix with "Pr." Only record up to and including 1866
C/C	Cancelled copy (Cancel Plate stamp)
CP	Corrected plate
INT	International Chart number
JD	Julian date used from approx. 1903-1960's found on top RH side of chart
LC	Large correction, sometimes used instead of new edition date on early charts
LUNE	Limited Urgent New Edition
N/A	Not available, used in reference to scale on chart
NC	New Chart
NE	New Edition
LNE	Limited New Edition
NL	New Lattice Chart
NM	Notice to Mariners viewed as 2002-1267 at bottom LH corner but entered in format 267/2002"
PDS	In house correction to printing plate on early charts e.g (3.4)/1933
PR	Price
RL	New Edition of Lattice chart
RP	Post 1970, e.g. [10.5]/1987
SC	Small correction, used before June 1918 e.g. ix/1901
SD	Square date pre 1970, e.g. [2.4]/1927 or [ii.4]/1958
WM	Water mark e.g. J Whatman Turkey Mill [and date]; Ruse & Turners [and date]; F & JH Kent; T Edmonds, Wycombe; S Evans & Co

F. Terms used in the Catalogue of Old Chart Bundles (OCB)

- a. "X" Chart
A chart that has been published with a New Edition while the Previous Edition is kept updated with NMs owing to a major change to chart detail such as a TSS (Traffic Separation Scheme) changing direction or Buoyage system being redesigned.
- b. Independent Chart withdrawal
A chart which is being cancelled without replacement.
- c. Cancelled chart or, cancelled plate
This is the term when a chart is no longer issued.
- d. Branch Standard = "Z" copy (from chart Histories)
The most up to date printing of a chart before it is cancelled.²⁰⁴ Marked with a large "Z" in blue chinograph pencil.

G. Abbreviations in the Davis List

Aus.	Austrian
Belg.	Belgian
Br. Au.	British Authorities
Brz.	Brazilian
ch.	chart
Col.	Colonial
<i>d.</i>	degree of latitude
Da.	Danish
Du.	Dutch
For.	Foreign

²⁰⁴ These are used to check the copies in HDCG for any information that needs to be updated by correction in Chart Correcting Office (CCO).

Geog.	Geographical
Ger.	German
Han.	Hanoverian
H.O.	Hydrographic Office
Ital.	Italian
l.	lithograph
m.	map
<i>m.</i>	Nautic mile
Norw.	Norwegian
Off.	Office
Ord.	Ordnance
P.	printed
pl.	plan
Por.	Portuguese
Pr.	Prussian
R.	Received
Ru.	Russian
Sp.	Spanish
Sw.	Swedish
tr.	tracing
U.S.	United States

Other Abbreviations

C.B.	Chart Branch
C.B. (w)	Chart Branch (Whitehall)
TNA	The National Archives
SDRA	Source Data Receipt and Acquisition System

Appendix 3: Accessions

ACS2016/1	Additional to UHR 3/3
ACS2016/2	Additional to SFD 6
ACS2016/3	Additional to SFD 6
ACS2016/4	Environmental publications, including manuscript books, undated
ACS2016/5	UKHO Marketing and promotional prints, 2015
ACS2016/6	Military coins, 2016 Chief Executive coins - UHKO Est 1795
ACS2016/7	Preview Ocean Survey System for HMS <i>Scott</i> , 1995 VHS copy
ACS2016/8	HMS <i>Herald</i> Cape Verde Islands survey, 1992 Samples of seabed sediment
ACS2016/9	Negatives Ledger negatives, red and green standards negatives, chart histories, 1997-1998
ACS2016/10	Compilation drawing sheets [hand drawn], 1992-1995
ACS2016/11	Copy pulls [on paper], 1975-1978
ACS2016/12	Contract documentation for E-Navigator/Digital Delivery, 2009-2012
ACS2016/13	Seascape, undated
ACS2016/14	Distributor files, undated
ACS2016/15	Agent files, undated
ACS2016/16	Credit management, undated
ACS2016/17	Claims for Renumeration, undated
ACS2016/18	ARCS folder, undated
ACS2016/19	Financial planning records, undated
ACS2016/20	[Closed]
ACS2016/21	[Closed]

ACS2016/22	Wooden storage cupboard, 1970 - 2010 [Portable draughtsman storage unit on wheels known as a Dalek]
ACS2016/23	Wooden filing system for NM corrections, 1920
ACS2016/24	[Closed]
ACS2016/25	Wrecks Office records
ACS2016/26	River map - Russian 971, 1982
ACS2016/27	Sail Safe Admiralty charts and publications, with 1 plastic clock, undated
ACS2016/28	[Closed]
ACS2016/29	IPS1 documentation, undated [Integrated Production System 1]
ACS2016/30	[Closed]
ACS2016/31	[Closed]
ACS2016/32	[Closed]
ACS2016/33	2 boxes of miscellaneous books and CDs, undated
ACS2016/34	[Closed]
ACS2016/35	Admiralty Chart Agent brass plaque, undated [late 1990s]
ACS2016/36	Fleet chart compilation books and diagrams, 1937-2004 Books include air charts, graphics, MS2 journal and The World true bearing and distance diagrams, prepared by Naval Intelligence
ACS2016/37	Additional to MEF 4-6
ACS2016/38	Cartography Instruments, undated Mainly straight edge brass, includes nautical miles ruler
ACS2016/39	UKHO Operation Division Tree/Staff Structure Layouts, undated
ACS2016/40	Sailing Instruments, 19th century Day and night telescope and octant; on loan
ACS2016/41	Additional to MEF 8
ACS2016/42	UK Hydrographic Office ball point pen, with case, undated
ACS2016/43	Printing copper plates, unknown engraving, undated

ACS2016/44	Poster of UK Hydrographic Office Executive Committee and Board leadership team, 2016
ACS2016/45	Maps of the World, 1942 - 1946 With bearing/distances from different points: Freetown, Cape Town, Cairo, Buenos Aires, Bombay, Bermuda, Berlin, Baghdad, Accra, Falkland Islands, Cyprus. Edinburgh, Delhi, Colombo, Melbourne and Hong Kong
ACS2016/46	HMS <i>Dampier</i> sign, undated
ACS2016/47	Assistant Hydrographer wallet, undated
ACS2016/48	Chart of Inner Fjords - Rovde and Molde, JD180.26 OCB955/C6a, undated
ACS2017/49	Additional to MEF 9 Additional to SCT 9/1,2,3
ACS2017/50	Survey Field Data record, 2001 Field data record - Ship: HMS <i>Endurance</i> , Survey: Pebble Sound
ACS2017/51	Blank H Forms used by the UKHO, 1980-1987 Numbers 159(a), 469, 514, 572, 577, Diagram C SFD 14/1-6
ACS2017/52	Additional to COD 1/1-12; COD 1/15/1-3
ACS2017/53	Additional to FNR 1/1-4
ACS2017/54	HI 876 and HI 877, undated
ACS2017/55	[Closed]
ACS2017/56	[Closed]
ACS2017/57	[Closed]
ACS2017/58	Additional to MEF 10 Additional to SCT 17/1-8 Additional to ART 71-79
ACS2017/59	Posters of "Hydrography Comes to Somerset" for World Hydrography Day, 2017
ACS2017/60	Additional to MAM 9/2/1-3
ACS2017/61	Additional to MAM 1/2/1-2

ACS2017/62	[Closed]
ACS2017/63	Additional to HOP 1
ACS2017/64	Additional to ICT 1/1
ACS2017/65	[Closed]
ACS2017/66	[Closed]
ACS2017/67	Additional to ART 87/1-2
ACS2017/68	Fleet chart folio number 725, 1998 - 2005 [12 of 14 charts are closed]
ACS2017/69	Sample of thumb labels from chart agent, 2010 - 2015
ACS2017/70	Photographs taken during filming of Antiques Road Trip visit to UKHO, 5 Jul 2017
ACS2017/71	[Closed]
ACS2017/72	[Closed]
ACS2017/73/1-3	Additional to RSR 3 Additional to RSR 4
ACS2017/74	Additional to NPR – various
ACS2017/75	Collection of Admiralty Air charts, 1961 - 2010
ACS2017/76	Additional to GDY 9/1-39
ACS2017/77	Bristol Channel Tea Tray [UKHO marketing product], c. 1980
ACS2017/78	Dandy roll, undated [Membrane with 'Admiralty' printed on the outside]
ACS2017/79	Photographs of Chart Branch at Cricklewood, 1953
ACS2017/80	Hydrographic Survey training films, 1950s
ACS2017/81	Hydrographic Office memoirs, undated
ACS2017/82	Atlas of illustrations for Cook's Voyages, undated
ACS2017/83	HMS <i>Hecate</i> items, undated Includes bell, crest, framed photograph, book of photographs, trophy and correspondence

ACS2017/84	Additional to ART 50
ACS2017/85	Additional to ART 90
ACS2017/86	Additional to MMR 1
ACS2018/87	Demonstration photographs of past UKHO machinery, 1990s - 2001
ACS2018/88	[Closed]
ACS2018/89	[Closed]
ACS2018/90	[Closed]
ACS2018/91	[Closed]
ACS2018/92	[Closed]
ACS2018/93	[Closed]
ACS2018/94	[Closed]
ACS2018/95	[Closed]
ACS2018/96	Loots-Man Atlas Va18, undated; on loan from the Admiralty Library
ACS2018/97	[Closed]
ACS2018/98	Notice to Mariners office records, 1857 - 2007 Staff list 1857 – 1958 [part closed due to Data Protection]; Fleet NMs 1976 - 1996
ACS2018/99	Corporate Communications records, undated Includes staff surveys [closed], Christmas cards, new build, Ritchie opening records
ACS2018/100	[Closed]
ACS2018/101	Printing Production samples, c. 1997 Enamel plate No. 554; enamel training plate; negatives of coasters
ACS2018/102	Print of HMS <i>Stork</i> , undated
ACS2018/103	Compilation drawings by Paul Guy, undated
ACS2018/104	[Closed]
ACS2018/105	[Closed]
ACS2018/106	[Closed]

ACS2018/107	CDs of photographs of 2008 Site Survey, Staff, Archive Training School, Disaster Day, 2008
ACS2018/108	Withdrawn charts, 2018 D6069B - Sub Relative Plotting D6098 - Monitor Plot D6143 - Plot Sheet US BC Charts H408(B) - Beach Recce Forms Metform (4237) Metform 5823 NP 303 (4) NP 400 Sight Form NP 445A Met Log H 408 (A) Beach Gradient Diagram
ACS2018/109	[Closed]
ACS2018/110	Additional to CBR 2
ACS2018/111	Examination Forms, 1987-2007 Examination Forms from RT5 area (11 items in 4 boxes)
ACS2018/112	[Closed]
ACS2018/113	[Closed]
ACS2018/114	Photographs of the UKHO Archives, May 2018
ACS2018/115/1-4	Hand drawn compilations, 1960 438 - Boulogne, 3868 – on tracing paper
ACS2018/116	Echo, video of an electronic chart service, undated
ACS2018/117	[Closed]
ACS2018/118	Printing plates, 2016
ACS2018/119	Items from Edgell Print Room, c. 2010 - 2016 Including OCE Printing for Professionals, 2010; Print and Supply Project, 2013; Quality Control sign off sheet; Form H359 Paper

	Requisition; various print proofs and test sheets; Avery Ink Scales (14lbs)
ACS2018/120	Regulations and warning signs from Edgell Machine Room/Engineer stores, undated
ACS2018/121	Union Flag, undated
ACS2018/122	CD of photographs of Guard Service, Hockey Team, Greenwich and Ritchie Block, c. 2003
ACS2018/123	[Closed]
ACS2018/124	[Closed]
ACS2018/125	Signs and plans from Edgell building, undated Including floor plans of previous location
ACS2018/126	Printer's artwork examples, undated
ACS2018/127	Ships photographs, undated
ACS2018/128	Compilation new chart 1481, Dundee, Scotland, c. 1940
ACS2018/129	Lt. D.J. Knight's work book, 1948 - 1956 Containing observations and calculations while surveying Zanzibar, Kuwait, Gulf of Aden, Pembu Island, Bu Tini, Gulf of Oman on HMS <i>Owen</i>
ACS2018/130	[Closed]
ACS2018/131	[Closed]
ACS2018/132	List of Radio Signals, 1995 - 2018
ACS2018/133	Jeff Bryant Collection, 1973 - 2018
ACS2018/134	Owen Club items [UKHO club], undated Includes bank statement and accounts and Hydrographers shield (Pool club)
ACS2018/135	Examples of cables, undated
ACS2018/136	Nautical Almanac Records, undated
ACS2018/137	Queens Diamond Jubilee Pageant - River Thames plans, 2011 - 2012 UKHO Admiralty Defence Maritime, River Thames and Estuary plans - Geospatial Intelligence Centre, Mercator Projection World Geodetic System 1984 Datum

ACS2018/138	Photogrammetry Records, 1940 - 2011
ACS2018/139	[Closed]
ACS2018/140	Two Hundred Years of The Admiralty Chart 1795 – 1995, undated Miscellaneous papers including Admiralty Collection
ACS2018/141	[Closed]
ACS2018/142	Law of the sea international boundary records, 1893 – c. 1990 File created outside the UKHO file system, unregistered records
ACS2018/143	Chart Standards NCWG, M4, SOLAS records, undated
ACS2018/144	Number not used
ACS2018/145	[Closed]
ACS2019/146	Training Branch records, 1900 - 2010s Items showing how charts were compiled, printed and corrected, with training materials
ACS2019/147	Printers' proofs, staff photographs, posters, certificates and microscope by C. Baker of London, 1960 - 2000s [The proofs are unique and include examples of contract printing in the 1970s]
ACS2019/148	[Closed]
ACS2019/149	[Closed]
ACS2019/150	[Closed]
ACS2019/151	Diagrams and plans of firing exercise areas and dockyard limits, 1940s - 1970s
ACS2019/152	Staff photographs, 1980s - 2000s
ACS2019/153	Offshore Oil and Gas features index cards database, undated
ACS2019/154	Hydrographic Department Photographic Society savings bank book, 1958 - 1977
ACS2019/155	[Closed]
ACS2019/156	[Closed]
ACS2019/157	Beach Recce report of Fermain Bay Guernsey, with photographs, undated

ACS2019/158	Photoplots, 2015 - 2019
ACS2019/159	Paul Fournier D'Albe staff pictures, c. 1980
ACS2019/160	Marketing material, including photographs, 1990
ACS2019/161	Wooden box containing metal heads for chart corrections, with mini flat head screwdriver, 1950
ACS2019/162	Cables Records, 1885 - 2007 Including The Anglo-American Telegraph Company Limited; magazine, Trawling and Submarine Cables; Cables (copy 1107); Submarine Telegraph Act 1885; International Convention for the Protection of Submarine Telegraph cables; ARC Licences 1/2004; Route Position list Abbreviations; Muster list 3/2007; 4pp - Cables, cable areas and Prohibited Anchorage - (H3625/64, HW739/66)
ACS2019/163	HB files, undated Relating to training courses - containing evaluations, course arrangements
ACS2019/164	HB Files, undated Includes proofs of Shadwell Prize NP 138 and NP 670 Tongue of Ocean Bahamas; master copies of NP 412A and NP 412B (SSM/I); schematic diagrams for Goods in Dept
ACS2019/165	Documents from Ocean Environment/MEIC, undated
ACS2019/166	Digital Imaging Department (DID) items, undated
ACS2019/167	[Closed]
ACS2019/168	[Closed]
ACS2019/169	[Closed]
ACS2019/170	[Closed]
ACS2019/171	Plaque award by Compsron One, 2005
ACS2019/172	Items which were on UKHO office building walls, prior to UKHO move to new building
ACS2019/173	RNW Incidents and Procedures, 1980s - 2000s
ACS2019/174	[Closed]
ACS2019/175	Wall charts and flow charts, undated

ACS2019/176	Wall charts and flow charts, undated
ACS2019/177	Wall charts, flow charts and paperwork, undated
ACS2019/178	Wall charts, flow charts and paperwork, undated
ACS2019/179	[Closed]
ACS2019/180	Various Flow charts - diagrams, undated
ACS2019/181	Data Science Accelerator Geospatial Hub poster and team names, undated
ACS2019/182	Wreck Record Cards, undated
ACS2019/183	[Closed]
ACS2019/184	Global Publishing posters, undated
ACS2019/185	Chart Adoption Team Records, 1990s - 2000s
ACS2019/186	Digital Imaging Department records, undated
ACS2019/187	Charting records, meetings, symbols, third party publications for Japan, Korea, Hong Kong, China, Asia, undated
ACS2019/188	Wall and flow charts, undated
ACS2019/189	[Closed]
ACS2019/190	UKHO's Smarter Ways of Working - 'WOW', undated Includes posters and photographs of new UKHO building under construction
ACS2019/191	Wall and flow charts and paperwork, undated
ACS2019/192	[Closed]
ACS2019/193	[Closed]
ACS2019/194	Regional Team items GTM Hub: Asia and Americas, Pacific and Southern Ocean Hub, undated Includes wall charts, overlays, miscellaneous paperwork
ACS2019/195	[Closed]
ACS2019/196	NM Support Fleet Notices, NMS etc, undated Books etc in connection with Fleet Notices, NMS and Histories

ACS2019/197	Room and floor plans for former UKHO buildings on site at Taunton, undated
ACS2019/198	[Closed]
ACS2019/199	Admiralty POD Colour Test Chart ZZ0001, 1641 - 1704
ACS2019/200	[Closed]
ACS2019/201	[Closed]
ACS2019/202	[Closed]
ACS2019/203	RNW material, undated Index Nautilus: British Isles; World Wide Navigational Warning Service; RNW Move to Taunton; Nav Warnings; History of RNWs
ACS2019/204	Port Index Cards, undated
ACS2019/205	Colombo Area Port Intelligence Summary: parts 1 – 3, 1942 - 1943
ACS2019/206	Additional to NMR 13/1 Additional to NMR 14/1 - 14/4
ACS2019/207	Oil and Gas Authority Rock Anhydrite, undated
ACS2019/208	[Closed]
ACS2019/208	[Closed]
ACS2019/210	[Closed]
ACS2019/211	UKHO site and engineering plans [some closed for current building], c. 1950 - 2019

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