

**AGGREGATES LEVY SUSTAINABILITY FUND
MARINE AGGREGATES AND THE HISTORIC ENVIRONMENT**

ENGLAND'S SHIPPING

Year 1 Report

Prepared for:

English Heritage

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Ref: 51552.02

September 2003

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Acknowledgements

This report was commissioned by English Heritage (EH). The project is being funded by the Aggregate Levy Sustainability Fund, distributed by English Heritage. The assistance and information provided by Annabel Lawrence and Ian Oxley of English Heritage is gratefully acknowledged.

Graham Scott authored this report. Jens Neuberger produced the database and provided support in its population and maintenance. Mark Lawrence is managing the project for Wessex Archaeology.

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ENGLAND'S SHIPPING

Year 1 Report

1. BACKGROUND

- 1.1. Wessex Archaeology (WA) has been commissioned by English Heritage (EH) to undertake a project entitled 'England's Shipping'. The project aim is to collate documentary information about shipping patterns in a readily accessible format to facilitate the assessment of maritime archaeological potential in the course of preparing Environmental Statements to accompany marine aggregate licence applications.
- 1.2. As stated in the submitted Project Design (5.5.3), milestone 2 required that a source appraisal be completed by the end of January 2003. This was submitted and a copy of that document is attached to this report (51552.01).
- 1.3. As also stated in the submitted Project Design (5.5.3), milestone 3 required that a draft Year 1 report be submitted by 28th March 2003 on the archaeological and methodological results of Year 1. This document represents a final version of that report having incorporated comments from EH.

2. PURPOSE OF THE YEAR 1 REPORT

- 2.1. The purpose of the Year 1 Report is as follows:
 - to assess the extent to which the objectives and deliverables for Year 1 as set out in the submitted Project Design (2.2. and 2.3. respectively) have been met in Year 1;
 - to discuss the archaeological and methodological results of Year 1.

3. OBJECTIVES AND DELIVERABLES

- 3.1. Except insofar as the project timetable has been varied by agreement, all objectives and deliverables for Year 1 have been met. Progress towards meeting Year 1 and 2 objectives has been made and it is anticipated that several will be achieved shortly.

System for recording and mapping England's Shipping

- 3.2. An MS Access database has been designed and provided to EH for the purposes of evaluation and approval. This database received verbal approval from EH officers at an ALSF monitoring meeting on 19th February and subsequently. This approval is subject to confirmation of MIDAS, INSCRIPTION and general NMR compliance by EH Swindon and this is currently awaited following a meeting between relevant EH staff at Swindon on 3rd March 2003. The methodology of the initial phase of database design to 31st January 2003 is set out in Appendices 3 and 4 of the Source Appraisal report (51552.01) that is attached to this document. A modified database design is annexed to this report as Appendix 1. The NMR Vessel Thesaurus has been received and incorporated into the database. The NMR Maritime Place Name Thesaurus will be incorporated when received. The Maritime Cargo Thesaurus has now been received and incorporated (see Appendix 2). Source and database wordlists

have been compiled and are annexed as Appendix 3. The database wordlist contains instructions for entering data into all of the control fields.

- 3.3. An initial digital atlas of England's shipping has not yet been delivered. However, this is largely due to the fact that that data recording has been regarded as a higher priority during Year 1.

Methodology for incorporating details of England's shipping

- 3.4. The methodology for incorporating details of England's shipping into the recording and mapping system has now been achieved. The methodology is described in section 5 below.

Obtain and Appraise Sources

- 3.5. Obtaining and appraising examples of secondary and primary sources has been achieved, subject to an ongoing requirement for review during data recording.

Generate Records of England's Shipping

- 3.6. Records of England's shipping have now begun to be generated. Recording of data commenced following the ALSF monitoring meeting on 19th February 2003, although a limited number of ship movement units had been recorded during the database design process.
- 3.7. 'Southampton and outports before 1730' and 'the Navy before 1730' were selected as the initial case studies. Recording has taken place at the WA Salisbury office and also at Southampton City Library Special Collections and at the Public Record Office, Kew. Where possible sources have been photographed or scanned at these venues for later examination. Recording has focused upon secondary sources, primarily transcriptions of Port Books in the case of Southampton, although original documents, such as Admiralty log abstracts, have been recorded in respect of the Navy.
- 3.8. Due to the large amount of source data available in respect of both case studies and the detailed level of recording required by the database, neither case study has been completed. As a result they will be reported upon separately in the progress report on mapping to be submitted in September 2003. As of March 2003, a total of 233 ship movement units have been recorded, representing a total of 1265 voyages. Given that the development of the database is now effectively complete, it is anticipated that the rate of data recording will accelerate significantly. At this stage the date range for the units recorded in the Navy case study is from the eighth century to 1730, whereas the majority of Southampton case study units are from the fourteenth and fifteenth centuries. In addition a number of units recorded at an early stage of the recording process have been re-recorded to take into account changes to the design of the database. The recorded units of information are annexed to this report in the form of a read-only CD-ROM (database & database back-end).

Outreach

- 3.9. WA staff will present details of the project to an invited seminar audience of industry, regulators and contractors at Southampton Oceanography Centre on 4th April 2003. This will initiate a dialogue with industry, regulators and contractors regarding England's shipping and its implications for maritime archaeological potential. Further events are planned to maintain the dialogue.
- 3.10. The project will share an information stand with other WA ALSF projects at the IFA Conference in April 2003. Project staff will be present to provide further information to delegates.
- 3.11. An ALSF public lecture series is currently being arranged to inform the public of the importance of England's shipping and with a wider aim of engaging in academic debate nationally and internationally.
- 3.12. Specific project web pages hosted by WA with links to EH / BMAPA have now been created and are being put through internal quality control procedures before going online as part of the WA website.

Development of skills in the profession

- 3.13. As a result of involvement in the project, WA staff are developing skills and experience in database and GIS design and development. WA staff are also developing skills and experience in documentary research and the integration of documentary research and archaeology.

Archive

- 3.14. A project archive is being generated and will be held at Wessex Archaeology (WA) pending Year 2.

4. ARCHAEOLOGICAL RESULTS FOR YEAR 1

- 4.1. Work during Year 1 has primarily been directed towards the development and refinement of a robust and sophisticated database structure. Although a substantial amount of data has been recorded, the quantity is not yet sufficient to produce archaeological results of any statistical significance.

5. METHODOLOGICAL RESULTS FOR YEAR 1

- 5.1. The source appraisal process has been separately reported upon (see the attached report). Subsequent data recording reinforces the findings and recommendations set out in this report, but does not materially alter them.
- 5.2. During Year 1 a recording system has been designed based upon MS Access 97. The fields described in the submitted project design (4.1.2.) or equivalent were incorporated into the initial version of the database design (Source Appraisal report (51552.01) Appendices 4 & 5). As a result of an ongoing source appraisal and database testing process and following consultation with relevant EH staff, various modifications have been made to the database, culminating in the current version (Appendix 1). None of the modifications have fundamentally altered the structure of the database. However the efficiency of data entry, particularly in respect of fleet units, has been increased, and the amount of information recorded in respect of each ship movement has been significantly increased. For example, EH officers indicated that they wished for the maximum available information concerning cargo to be recorded within the database. As a result of this, the database has been redesigned to link individual associated persons with the individual items of cargo listed in sources, specifically Port Books, as being carried on their behalf. An explanation and justification of the current fields are detailed below:

ORIGINAL FIELD		CURRENT FIELD	JUSTIFICATION
event ID		unit ID	
event name		ship movement	more meaningful description
event type		unit	divided into single ship, fleet and group ship movement types
date from		date ALSO uncertain dates betw.	original terms are not compatible with most sources, which rarely give both start and finish dates and often only give a date during a ship movement ; the database provides equivalent fields in 'departure' and 'destination' but also dates-during fields such as 'waypoints'so that the database is significantly more flexible whilst still being NMR compatible; 'uncertain dates betw./and' provides for ship movements where no dates are known but the movement is known to have occurred between two dates (common in medieval Port Books).
date to		date ALSO uncertain	see 'date from'

		dates and	
period		period	
vessel type		vessel type	
dimensions		measurements	more appropriate term
dimensions	tonnage	tonnage	
dimensions	no.of vessels	amount of vessels	equivalent term but included as main form control as more appropriate location
components		vessel details	more meaningful description
components	cargo	cargo	
components	armament	armament	
components	passengers	passengers	
associated place names		associated locations	more appropriate term
associated place names	routes	associated locations	
associated place names	destinations	destination ALSO intended destination	'intended destination' provides for recording intended destination of vessels lost or diverted during a shipping movement
associated place names	places of departure	departure	source appraisal has failed to identify a ship movement that had more than one departure point
associated place names	hazards	none	hazards will be added to the GIS; hazards are not generally recorded in the sources
associated place names	places of loss	loss location	more appropriate term
associated identities			
associated identities	vessel	nationality	more meaningful description
associated identities	crew	none	sources very rarely provide details of the crew nationality and 'vessels/nationality' provides equivalent information
associated identities	cargo	none	queries of 'cargo' and 'journey' (second tier sub-forms) will provide equivalent and more detailed information; sources very rarely state nationality of a cargo
associated people	master	master	
associated people	owner	owner	
description		description	
source		reference sources	
group		related unit ALSO related vessel	linking both units to units and vessels to vessels provides more flexibility, particularly for recording fleets and groups
monuments		commemorative monuments	more meaningful description
polygon ID			to be incorporated with GIS

5.3. The NMR Vessel Thesaurus has been received and incorporated into the database, with vessel types that are believed not to have existed before 1850 deleted. The NMR Maritime Place Name Thesaurus will be incorporated when received. During the course of recording, source and database wordlists have been compiled and these are annexed in Appendix 3. Definitions from the NMR Thesaurus have been attached to the source word list where appropriate. The source word list is not yet complete. The database wordlist contains instructions for entering data into all of the control fields. Previously recorded units are currently being reviewed to enable them to be altered to take into account changes in the database structure and this process is not yet complete.

5.4. The database has been designed around three linked main forms, as follows:

FORM	1 st tier SUB-FORM	COMMENTS
Ship Movement		Main form for the recording of the shipping movement.
Ship Movement	Vessels	Data concerning the characteristics of the vessel/s and persons associated with them are entered in this sub-form.
Ship Movement	Journey	Data concerning the movement itself is entered into this form. Dates, where known, can be entered for any number of events during the movement, in any combination. Alternatively dates within which can be entered if precise dates are not known. The form is designed to be as flexible as possible to cope with a wide variety of sources.
Ship Movement	Additional Information	Additional miscellaneous data concerning the ship movement is entered into this form.
Shipwrecks		Main form for the recording of vessel losses during ship movements.
Reference Sources		Main form for the recording of source material.

- 5.5. The database has been designed to facilitate queries to maximise the archaeological potential. The database has also been designed flexibly to enable additional fields to be added should the ongoing source review process require it.
- 5.6. Preparatory work has commenced in respect of the GIS mapping system. It is anticipated that a draft GIS will be designed during April 2003 and that this GIS, based upon MapInfo or ArcView software, will incorporate a form of route modelling based upon historic pilot manuals and both modern and historic navigational charts. A source appraisal process is underway in this respect.

6. YEAR 2 REVIEW

- 6.1. The submitted Project Design (4.2.) provides for a review of all aspects of the project to be reviewed at the start of Year 2 and for the results to be communicated to EH. This review is currently underway and will form the basis of an update report on the mapping and recording aspects of the project. This will be submitted to EH as milestone 6 (update on Mapping) in September 2003.

APPENDIX II: MARITIME CARGO THESAURUS

WORD	LOCATION	DEFINITION
allectium album	cargo/commodity	see white herring see herring
allectium rubium	cargo/commodity	see red herring see herring
alleum	cargo/commodity	garlic
almond	cargo/commodity	
alum/alym/aluym/ alum roche	cargo/commodity	SN A sulphate of aluminium and potassium used in the dyeing process as a mordant to increase the intake of dye into a cloth. CL CARGO BT ALUMINIUM
amigdola	cargo/commodity	see almond
aniseed	cargo/commodity	
anisiun	cargo/commodity	see aniseed
apple	cargo/commodity	SN The round, firm fleshed fruit of the apple (<i>Malus Domestica</i>) tree. Grown in numerous varieties throughout the world. CL CARGO BT FRUIT
ashes	cargo/commodity	see wood ashes UF Cinders SN The powdery residue resulting from the combustion of a substance eg. wood and used for various manufacturing processes. CL CARGO BT TIMBER PRODUCTS
bag	cargo/commodity	soft container that opens at the top
bale	cargo/quantity	BALE GOODS SN Merchandise wrapped in canvas and tightly bound with cords or hoops to form bales. CL CARGO (for some commodities also a variable measure)
balet	cargo/quantity	half a bale
bankerys	cargo/commodity	bench cover, often made of tapestry
bannockstone	cargo/commodity	brick?
banquerys	cargo/commodity	see bench cover
barel	cargo/quantity	see barrel
barley	cargo/commodity	SN Grain from a cereal of the genus <i>hordeum</i> , often used in the manufacture of alcoholic spirits. CL CARGO BT CEREAL
barley	cargo/commodity	SN Grain from a cereal of the genus <i>hordeum</i> , often used in the manufacture of alcoholic spirits. CL CARGO BT CEREAL

barrel	cargo/quantity	UF Casks SN Containers of cylindrical form, traditionally made of curved wooden staves bound together by hoops of metal. Also includes modern plastic and metal barrels. CL CARGO BT CONTAINERS NT BARREL HEADINGS BARREL HOOPS BARREL STAVES ALSO a variable measure
basket	cargo/quantity	
beer	cargo/commodity	SN An alcoholic drink made by the fermentation of malt and flavoured with hops or other bitters. CL CARGO BT ALCOHOLIC DRINK NT PORTER
bench cover	cargo/commodity	textile cover for a bench or seat
blanket	cargo/commodity	undyed, coarse woollen cloth
botel	cargo/quantity	see bottle
bottle	cargo/quantity	BOTTLES SN Narrow necked containers, originally of leather but now usually made of glass or plastic. Used for storing liquids. CL CARGO BT CONTAINERS ALSO a measure
bowstaves	cargo/commodity	shaped wood for making bows
brasil	cargo/commodity	red dye made from an East Indian tree
brasium	cargo/commodity	see malt
brass pan	cargo/commodity	BRASS SN Originally a metallic alloy of copper and tin or zinc, now used solely for an alloy of copper and zinc. CL CARGO BT METAL
brasyle	cargo/commodity	see brasil
brasyll	cargo/commodity	see brasil
brick	cargo/commodity	SN Construction blocks manufactured using clay which is then fired or sun dried. CL CARGO BT CONSTRUCTION MATERIALS
bunch	cargo/quantity	measure
bushel	cargo/quantity	measure of grain, peas or similar, 8 bushel = 1 quarter
buss	vessels/vessel type	Not in thesaurus. (SN)17-18C fishing vessel, generally Dutch or English, broad beam with 2 (sometimes 3) masts each with single square sail, generally 50-70 tons (CL) MARITIME CRAFT (BT) SAILING VESSEL <BY FORM?TYPE>
butt	cargo/quantity	measure or package of wine
cade	cargo/quantity	a barrel of herrings (holding six great hundreds = 6 x 6 score)
cadus	cargo/commodity	see cade
calcaria	cargo/commodity	see spur
calfskin	cargo/commodity	
caligae	cargo/commodity	see stocking or hose
candelebrum	cargo/commodity	see candelstick
candella	cargo/commodity	see candle
candelstick	cargo/commodity	

candle	cargo/commodity	SN A body of wax or tallow, usually formed into a long, thin, cylindrical shape enclosing a wick and burnt to produce light. CL CARGO BT HOUSEHOLD GOODS
canella	cargo/commodity	see cinnamon
canevas	cargo/commodity	see canvas
canvas	cargo/commodity	SN A strong unbleached cloth manufactured from hemp, flax or similarly coarse yarn. Used mainly in the manufacture of sails, tents and for painting on. CL CARGO BT TEXTILES
carbones	cargo/commodity	see coal
card	cargo/commodity	wool-carder
caretell	cargo/quantity	small cask = eighth of a tun
casius	cargo/commodity	see cheese
cask	cargo/quantity	USE BARRELS
cella	cargo/commodity	see saddle
cepe	cargo/commodity	see tallow
cera	cargo/commodity	see wax
chaldron	cargo/quantity	measure of coal = 4 quarters
cheese	cargo/commodity	SN Dairy produce formed from the curds of milk, coagulated by rennet and pressed into a solid mass. CL CARGO BT DAIRY PRODUCE
cider	cargo/commodity	SN An alcoholic drink made from fermented apple juice. CL CARGO BT ALCOHOLIC DRINK
cinnamon	cargo/commodity	
cloths		
cloths in bastard	cargo/commodity	
cloths in kersey	cargo/commodity	
cloves	cargo/commodity	
clowes	cargo/commodity	cloves
coal	cargo/commodity	SN Hard, black, carbonized plant matter, usually found in seams below the earth's surface and used as a fuel and for the manufacture of gas. CL CARGO BT FUEL NT ANTHRACITE COAL DUST COAL TAR COKE PATENT FUEL
cod	cargo/commodity	SN Large fish, native to the North Atlantic and adjacent seas which has been fished since the Middle Ages. CL CARGO BT FISH
cofyn	cargo/quantity	see basket
commodity	cargo	type of cargo, eg. cloth, wine, lead
conger eel	cargo/commodity	

cooper		
cordage	cargo/commodity	SN Thick ropes and rigging. CL CARGO NT CABLE ROPE WIRE
corn	cargo/commodity	SN The seed of a cereal plant used in the manufacture of foodstuffs. CL CARGO BT CEREAL
cortell	cargo/commodity	a type of knife?
cotellus	cargo/commodity	see knife
cotton russett	cargo/commodity	
counterpane	cargo/commodity	bedspread
cressecloth'	cargo/commodity	see crestcloth
crestcloth	cargo/commodity	a type of linen cloth
dagger-stave	cargo/commodity	component of a weapon?
destination	cargo	whether commodity is inward, outward, or general
dicker/dyker	cargo/quantity	measure/parcel of 10 hides
dolium	cargo/quantity	see tun
dosyn	cargo/quantity	a dozen ALSO cloth of half the usual length (i.e. 12 yards x 2 yards)
ell	cargo/quantity	measure of cloth
end	cargo/quantity	measure of iron, 112 ends = 1 ton
fangott	cargo/quantity	small bundle of varying size, smaller than a fardell
fardel	cargo/quantity	bundle or package
fardell	cargo/quantity	see fardel
ferrum	cargo/commodity	see iron
fig	cargo/commodity	SN Soft, pear-shaped fruits of the Ficus carica tree. They can be eaten fresh or dried. CL CARGO BT FRUIT
fish oil	cargo/commodity	oil manufactured from fish
flax	cargo/commodity	SN The fibrous stalks of the plant, Linum usitatissimum, which can be processed and used to manufacture linen. CL CARGO BT PLANT PRODUCTS RT LINEN
flour	cargo/commodity	SN A soft, powder used in the manufacture of bread and foodstuffs, obtained by grinding wheat or other grain. CL CARGO BT CEREAL
flowr'	cargo/commodity	see flour
fosteyn	cargo/commodity	see fustian
fostian	cargo/commodity	see fustian
fother	cargo/quantity	measure of lead = 30 fotmels = 2100 lbs approx.
fouther	cargo/quantity	see fother
freut	cargo/commodity	see fruit
fructus	cargo/commodity	see fruit

fruit	cargo/commodity	SN The edible product of a plant, usually consisting of the seed and its sweet, juicy envelope. CL CARGO BT FOOD NT APPLES COCONUTS DRIED FRUIT FIGS LEMONS NUTS ORANGES also raisins
frumentum	cargo/commodity	see wheat
fuller's earth	cargo/commodity	
furs	cargo/commodity	SN Animal skins which have the outer pelt of fur on them. CL CARGO BT ANIMAL SKINS NT BEAVER FURS
fustian	cargo/commodity	a coarse cotton cloth
fyne	cargo/quantity	see 'end'
galea	vessel type	see galley
gallon	cargo/quantity	
garlic	cargo/commodity	
general	cargo/destination	record does not state whether commodity inward or outward
ginger	cargo/commodity	SN The stem of the plant Zingiber officinale, with a characterisitic hot and peppery taste, used in cookery and medicine. CL CARGO BT SPICES
glass	cargo/commodity	SN Hard, transparent, brittle substance manufactured by fusing soda or potash with other ingredients. Used for glazing windows and in the manufacture of drinking vessels. CL CARGO BT MINERALS
glassware	cargo/commodity	SN Articles, particularly drinking vessels, manufactured from glass. CL CARGO BT MANUFACTURED GOODS
grain	cargo/commodity	SN Collective name for the seeds of various cereal grasses. CL CARGO BT CEREAL
gum arabic	cargo/commodity	GUM SN A substance secreted by some plants which hardens upon drying but is soluble in water. CL CARGO BT PLANT PRODUCTS
gumme de Araby	cargo/commodity	see gum arabic

gun	vessel details/additional features	UF Bronze Guns Iron Guns SN Weapons including portable firearms and large artillery pieces. CL CARGO BT MUNITIONS NT CANNON PISTOLS
haberdashery	cargo/commodity	thread, hats and other small wares
haberdasshe	cargo/commodity	see haberdashery
hake	cargo/commodity	type of fish
hake	cargo/commodity	type of edible fish
hakys	cargo/commodity	see hake
herring	cargo/commodity	SN Fish of the family Clupeidae, common to the North Atlantic. They are caught for food. CL CARGO BT FISH
hoggshed	cargo/quantity	see hogshead
hogshead	cargo/quantity	a cask ALSO a measure of wine, 1 cask = 0.25 tun = 63 gallons
hoppys	cargo/commodity	see hops
hops	cargo/commodity	SN Conelike spikes of the hop plant used in the brewing industry to give a bitter flavour to beer and malt liquors. CL CARGO BT FOOD
horse	cargo/commodity	SN Large mammals, domesticated for riding and as draught animals. CL CARGO BT ANIMALS
hose	cargo/commodity	
hundred	cargo/quantity	hundred weight? (used in context of garlic and wainscot)
hundredweight	cargo/quantity	variable measure according to commodity
indigo	cargo/commodity	SN A dark blue powder, obtained from plants or synthetically manufactured, used as a dye. CL CARGO BT PLANT PRODUCTS
inward	cargo/destination	record states that commodity is being discharged at the location to which the record relates
iron	cargo/commodity	SN A magnetic metal found abundantly in certain ores and widely used for the manufacture of tools, machinery etc. Iron is also a chief component of steel. CL CARGO BT METAL NT CAST IRON IRON BARS IRON INGOTS IRONMONGERY PIG IRON SCRAP IRON RT STEEL
jar/jarre	cargo/quantity	measure of wine
jarre	cargo/quantity	see jar

kersey	cargo/commodity	type of coarse narrow woollen cloth
kive	cargo/quantity	measure of teasel
knife	cargo/commodity	
lagena	cargo/commodity	see gallon
lana	cargo/commodity	see wool
lapydus	cargo/commodity	see stone
last	cargo/quantity	measure of herring = 20 cades = 12000 fish = about 12 barrels OR measure of tar, soap and osmond = about 12 barrels OR measure of hides = 20 dicker = 200
lead	cargo/commodity	SN A soft, heavy, malleable metal, often obtained from the mineral galena. Traditionally used in the construction industry for roofing and plumbing. CL CARGO BT METAL NT LEAD INGOTS
lead ingot	cargo/commodity	SN Solid bars made from pure lead. CL CARGO BT LEAD
leather	cargo/commodity	SN Animal skins which have been treated by tanning or similar. CL CARGO BT ANIMAL PRODUCTS
lin	cargo/commodity	see linen
linen		SN A cloth woven from flax. CL CARGO BT TEXTILES RT FLAX
linum	cargo/commodity	see flax
long point	cargo/commodity	
M.	cargo/quantity	see mille
mackerel	cargo/commodity	type of edible fish
madder	cargo/commodity	a plant-based red dye
mader	cargo/commodity	see madder
madire	cargo/commodity	see madder
madyr	cargo/commodity	see madder
madyre	cargo/commodity	see madder
makerell	cargo/commodity	see mackerel
malt	cargo/commodity	SN Grain, especially barley, prepared for brewing, distilling or vinegar making. CL CARGO BT CEREAL

manufactured goods	cargo/commodity	SN Items that have been through a manufacturing process. Use specific type where known. CL CARGO NT CHAIN DIVING EQUIPMENT FIREWORKS FISHING GEAR GLASSWARE HOUSEHOLD GOODS MACHINERY NAVIGATION BUOYS PAINT PERFUME PIANOS SPRINGS TOOLS VEHICLES
melwell'	cargo/commodity	see cod
mercury/mercery	cargo/commodity	SN A heavy, metallic element, which is liquid at room temperature. Used in thermometers and medicinal preparations. CL CARGO BT METAL
mille	cargo/quantity	ten hundreds ALSO ten hundredweights
millstone	cargo/quantity	circular crushing stone used in mills
mirror	cargo/commodity	
molar'	cargo/commodity	see millstone
molardys	cargo/commodity	small millstones
moule	cargo/commodity	millstone
myrror	cargo/commodity	see mirror
myrrour	cargo/commodity	see mirror
nail	cargo/quantity	measure of wood
oil	cargo/commodity	SN A smooth, flammable liquid, produced naturally or from plants or animals, and used for a variety of purposes. CL CARGO BT OIL BASED PRODUCTS NT CRUDE OIL LUBRICATING OIL
oleum	cargo/commodity	see oil
orange	cargo/commodity	SN Citrus fruit of a distinctive orange colour. CL CARGO BT FRUIT
ordium	cargo/commodity	see barley
oreng'	cargo/commodity	see orange
osmond	cargo/commodity	high quality iron, sold in small bars or rods by the barrel or sack (12 barrels to the last) and not by weight
oulone	cargo/commodity	type of coarse canvas cloth
outward	cargo/destination	record states that the commodity is being loaded at location to which the record relates
ox	cargo/commodity	large animal of cattle-type, beast of burden

oyster	cargo/commodity	SN A mollusc usually used as a foodstuff. CL CARGO BT SHELLFISH
pack	cargo/quantity	a bundle of cloths of varying number ALSO a bundle of other commodities
painted cloth	cargo/commodity	
pak	cargo/quantity	see pack
pan	cargo/commodity	round metal container for cooking, usually with a long handle
pannes	cargo/commodity	see pan
pannus de cerico	cargo/commodity	cloth of silk
pannus linius	cargo/commodity	see linen
pannus panni lanii	cargo/commodity	woollen cloth
paper	cargo/commodity	SN Thin sheets of material used for a variety of purposes such as writing on, painting on, or printing on. CL CARGO BT PAPER AND PAPER PRODUCTS -----
papirus	cargo/commodity	see paper
patron	associated person	captain/master of a galley/carrack (Italian)
patronus	associated person	see patron
patten	cargo/commodity	see wooden shoe
patyn	cargo/commodity	see wooden shoe
peas	cargo/commodity	SN The round seeds of the plant Pisum sativum which grow in pods and are eaten as a vegetable. CL CARGO BT VEGETABLES
pecia	cargo/quantity	a piece of cloth of varying size ALSO a piece of kersey, 3 pecia = 1 broadcloth ALSO a measure of fruit = 4 quarterouns
pen case	cargo/commodity	
pennys	cargo/commodity	see pin
pepper	cargo/commodity	SN A pungent condiment manufactured from the dried berries of the plant Piper Nigrum. Use for cargoes of peppercorns or ground pepper. CL CARGO BT SEASONINGS
pes'	cargo/commodity	see peas
pewter vessel	cargo/commodity	SN An alloy, traditionally of tin and lead but now of tin, antimony and copper, used for domestic utensils. CL CARGO BT METAL
pewter vessel	cargo/quantity	PEWTER SN An alloy, traditionally of tin and lead but now of tin, antimony and copper, used for domestic utensils. CL CARGO BT METAL
piece	cargo/quantity	measure of fruit = 4 quarteroun OR measure of other cargo
pig	cargo/commodity	SN Domesticated animals, derived from the wild boar, kept as a source of ham, bacon and pork products. CL CARGO BT ANIMALS

pin	cargo/commodity	pointed metal fastener of various types, sizes and uses
pipe	cargo/quantity	Pipe Staves USE BARREL STAVES SN A pipe is a type of barrel, also used as a measure equivalent to two hogsheads. - measure of wine, oil and fruit = 0.5 tun OR measure of cards, brass pots, etc = variable amount OR measure of iron = 0.5 ton
piper	cargo/commodity	see pepper
piscis salsus	cargo/commodity	see salt fish
pitch	cargo/commodity	SN A dark, viscous substance obtained, from the distillation of wood tar or turpentine, and used as a sealant for caulking the seams of a ship or boat. CL CARGO BT OIL BASED PRODUCTS
plank	cargo/commodity	SN Timber sawn into long, flat, pieces used for flooring etc. in buildings. CL CARGO BT CONSTRUCTION MATERIALS
plat'	cargo/commodity	see plate
plate	cargo/commodity	flat dish used for serving or eating food ALSO metal covered with gold or silver
plombum	cargo/commodity	see lead
plumbum	cargo/commodity	see lead
point	cargo/commodity	cord fastening for clothes
pomadri'	cargo/commodity	see cider
pomum	cargo/commodity	see apple
porcus	cargo/commodity	see pig
pouch		
poynt	cargo/commodity	see point
puncheon	cargo/quantity	large cask or measure, varying with the commodity
punchin	cargo/quantity	see puncheon
pyche	cargo/commodity	see pitch
pynne	cargo/commodity	see pin
quantity	cargo	type and amount of measure (eg. tun, pipe, barrel, cwt.) or packaging (eg.fardel, bundle, barrel)
quarter	cargo/quantity	measure
quarterium	cargo/quantity	see quarter
quarteroon	cargo/quantity	measure of fruit = 0.25 piece
quelt'	cargo/commodity	see quilt
quernston	cargo/commodity	see quernstone
quernstone	cargo/commodity	smaller millstone
quernstonys'	cargo/commodity	see quernstone
quilt	cargo/commodity	cloth covering for a bed, may be stuffed
quylt'	cargo/commodity	see quilt
raisin	cargo/commodity	dried grape
rasimi	cargo/commodity	see raisin
red herring	cargo/commodity	see herring - herring salted for c.24 hours and then smoked
resynys	cargo/commodity	see raisin
rice	cargo/commodity	a seed that is edible when cooked
rondel	cargo/quantity	cask

rondelet	cargo/quantity	small rondel
rondella	cargo/commodity	see rondel (?)
rondelletum	cargo/quantity	small rondel
rope yarn	cargo/commodity	yarn used to make rope
rope yern	cargo/commodity	see rope yarn
rondel	cargo/quantity	see rondel
rowndell'	cargo/commodity	see rondel
runlet	cargo/quantity	small rondel
rys	cargo/commodity	see rice
sack	cargo/commodity	type of bag
saculus	cargo/commodity	small bag
saddle	cargo/commodity	horse furniture
saket	cargo/quantity	small sack
sal	cargo/commodity	see salt
salmo	cargo/commodity	see salmon
salmon	cargo/commodity	type of edible fish
salt	cargo/commodity	SN A mineral, Sodium Chloride, obtained by mining or the evaporation of brine used as a seasoning and for preserving food. CL CARGO BT SEASONINGS NT ROCK SALT
salt fish	cargo/commodity	edible fish that has been salted to preserve it
salted mackerel	cargo/commodity	SN A pungent condiment manufactured from the dried berries of the plant Piper Nigrum. Use for cargoes of peppercorns or ground pepper. CL CARGO BT SEASONINGS
saltpeter	cargo/commodity	see saltpetre
saltpetre	cargo/commodity	SN Potassium nitrate CL CARGO BT MINERALS
shears/shers/sher manys' sher'	cargo/commodity	sheep shears
slates	cargo/commodity	SLATE SN A fine grained rock which splits easily into plates. Used for the manufacture of roofing tiles etc. CL CARGO BT STONE NT ROOFING SLATE
sort	cargo/quantity	measure of fruit = 3 pieces = 12 quarterouns
sporis	cargo/commodity	see spur
spur	cargo/commodity	horse furniture
stockfish	cargo/commodity	cod and other fish cured by drying hard in cold air and beating with clubs or stocks
stocking	cargo/commodity	

stone	cargo/commodity	SN Rock or hard minerals used as a building material and for carving etc. CL CARGO BT MINERALS NT AGGREGATE CRUSHED STONE FLINT GRANITE GRAVEL LIMESTONE MARBLE SAND SHINGLE SLATE STONE PRODUCTS
supply ship	vessel type	universal phrase for all victualling, stores, provisions and similar ships
tallow	cargo/commodity	SN A fatty substance rendered from animal fat and used in the manufacture of soap, candles and for dressing leather. CL CARGO BT ANIMAL PRODUCTS RT BLUBBER
tanned hide	cargo/commodity	HIDES SN Animal skins, either raw or dressed which are used in the tanning industry to produce leather. CL CARGO BT ANIMAL SKINS
teasel/tessella	cargo/commodity	prickly flower heads of the fuller's teazel, used for raising a nap on the surface of cloth
thread	cargo/commodity	YARN SN Threads prepared for use in a manufacturing process such as spinning, weaving etc. CL CARGO BT TEXTILES AND CLOTHING
towelling	cargo/commodity	linen cloth for towels and napkins
waide	cargo/commodity	see woad
wainscot/weinscot	cargo/commodity	the best kind of oak wood
wax	cargo/commodity	SN A malleable water repellent substance created by animals or as a coating to parts of plants. CL CARGO BT ANIMAL PRODUCTS
wheat	cargo/commodity	SN A cereal of the genus Triticum, which can be ground to manufacture flour for bread and pasta. CL CARGO BT CEREAL

wheat malt	cargo/commodity	MALT SN Grain, especially barley, prepared for brewing, distilling or vinegar making. CL CARGO BT CEREAL WHEAT SN A cereal of the genus Triticum, which can be ground to manufacture flour for bread and pasta. CL CARGO BT CEREAL
white herring	cargo/commodity	fresh or salted herring (as opposed to smoked) see herring
wine	cargo/commodity	SN An alcoholic drink made from fermented grape juice (or occasionally other fruits). CL CARGO BT ALCOHOLIC DRINK NT CHAMPAGNE CLARET MADEIRA PORT WINE STURNE
woad	carg/commodity	the most important dyestuff for cloth
wode	cargo/commodity	see woad
wood ashes	cargo/commodity	used for making lye, alkalized water used as a mordant in cloth manufacture ASHES UF Cinders SN The powdery residue resulting from the combustion of a substance eg. wood and used for various manufacturing processes. CL CARGO BT TIMBER PRODUCTS
wooden shoe	cargo/commodity	
wool	cargo/commodity	SN The hair from the coat of goats and sheep, made into yarn and used in the manufacture of woollen cloth. CL CARGO BT ANIMAL PRODUCTS RT SHEEP
wool card/cardys/cardbord	cargo/commodity	instrument used to comb, disentangle and range wool prior to spinning
wool-carder	cargo/commodity	see card
woollen goods	cargo/commodity	SN Goods, particularly cloth and garments, manufactured from wool. CL CARGO BT WOOL

APPENDIX III: SOURCE AND DATABASE WORDLISTS

LOCATION 1	LOCATION 2	LOCATION 3	LOCATION 4	TERM	DEFINITION	METHODOLOGY
general				deleting control field entry		use delete tab (Switchboard tool bar, small right tab and cross) rather than keyboard delete
general				duplicating vessels		use duplication tab in vessels sub-form, one tab per duplication, i.e. fleet of 30 vessels will require 29 duplications; ensure maximum number of duplicating controls boxes are completed, i.e. all controls in vessels sub-form first tier (not vessel details, associated people or cargo
general				adding to drop-down lists		tab F11 and go to appropriate form
general				question mark	uncertainty controls	use if any significant degree of uncertainty as to the source data, e.g. if the source does not state that a vessel is a sailing vessel, tick the uncertainty box for vessel type
general				date		enter year only unless months and days required and available, state full date in comments/description controls
general				unknown		type capital 'U'
locations				locations	locations associated with the ship movement	
locations				place	name of location	use name given in source; if uncertainly identified tick uncertainty control, e.g. if source is handwritten and unclear
locations				grid reference		
locations				Easting		
locations				Northing		
locations				NGR Easting	National Grid Reference co-ordinate of the location	
locations				NGR	National Grid	

				Northing	Reference co-ordinate of the location	
locations				precision		
navigation button	main forms			tab up	goes to first unit	
navigation button	main forms			tab left	goes to previous unit	
navigation button	main forms			bin	deletes current unit	
navigation button	vessels sub-form			small tab left	goes to previous unit	
navigation button	vessels sub-form			small tab right	goes to next vessel	
navigation button	vessels sub-form			small tab right and bar	goes to last vessel	
navigation button	vessels sub-form			two rectangles	duplicates vessel once	
navigation button	vessels sub-form			small tab right and asterisk	creates new vessel	
navigation button	vessels sub-form			rectangles and cross	deletes current vessel	
navigation button	main forms			tab right	goes to next unit	
navigation button	main forms			tab down	goes to last unit	
navigation button	main forms			small tab right & asterisk	creates new unit	
navigation button	main forms			open door	exits form	
navigation button	vessels sub-form			bar and small tab left	goes to first vessel	
places				places	title of locations table	

reference sources					source of data	
reference sources				title	title of the source	include volume/part number etc.; if source is chapter/article in an edited volume journal or magazine, give details (including editor) of the volume / journal/magazine in the comment box
reference sources				author	name of source author	if source is a chapter/article in an edited volume, journal or magazine, give editor's name(not magazines) in the comment box
reference sources				date	date of publication	date of edition relied upon
reference sources				ISBN	ISBN number	
reference sources				description	comments describing the source	comments concerning the identification and description of source (eg. state if not written in modern English); at recorder's discretion
reference sources				comments	comments upon the text	any other comments concerning the table (perceived reliability, further location details, access details, etc.); at recorder's discretion
reference sources				location	place where source located	if source is a web site, give full URL beginning www or as appropriate
reference sources				LocReference	reference number used for the source by the source location	may be individual reference number for source or general location reference; if possible give both
reference sources				category	whether a primary or secondary source	
reference sources	category			primary	source compiled at the same time as the events that it describes or otherwise generally regarded as primary	
reference sources	category			secondary	all other sources, including transcriptions	transcribed sources should be recorded as secondary sources
ship movement				ship movement	movement of a vessel/s for which a primary or secondary documentary record exists	
ship movement				unit	a ship movement	state whether 'single ship', 'fleet' or 'group'
ship movement	unit			single ship	a ship movement involving one voyage and one vessel	

ship movement	unit			fleet	a ship movement involving one voyage and more than one vessel in which the vessels travel together	
ship movement	unit			group	a ship movement that does not involve a single ship or fleet	use this category for ship movements where the number of voyages is not known, eg. a source may state that 20 vessels voyaged from point a to point b in 1600 but does not state whether they travelled together or separately
ship movement				nationality	ethnic origin of the unit	state only if the ethnic origin is not English; use most appropriate term (not necessarily nationality), e.g. for 16C Ostend, use Ostend not Belgian, for 11C Normandy use Norman not French, for Venice use Venetian not Italian (prior to unification); check previously recorded units to ensure continuity
ship movement				name of fleet	a name commonly given to a fleet unit	
ship movement				amount of vessels	number of vessels in the unit	if unknown enter 'U'
ship movement				related units	any other unit that has a clear association with the unit	e.g. opposing fleet, units with the same vessel/s
ship movement				vessels	vessel/s in the unit	each vessel in the unit will have an individual table
ship movement	vessels			vessel name	name of vessel	enter 'unknown' if not known
ship movement	vessels			nationality	ethnic origin of the vessel	state only if the ethnic origin is not English; use most appropriate term (not necessarily nationality), e.g. for 16C Ostend, use Ostend not Belgian, for 11C Normandy use Norman not French, for Venice use Venetian not Italian (prior to unification); check
ship movement	vessels			vessel type	type of vessel	use NMR Maritime Vessel Thesaurus; two fields available in this duplicating section - use most general terms first in these fields (inc. 'sailing vessel' and 'warship' where appropriate); enter a vessel type if the vessel is probably of that type but if the source does not specifically state that it is, tick the ? box

ship movement	vessels			construction material	main material that the vessel is constructed from, e.g. wood, iron, reed	use the drop down list
ship movement	vessels			propulsion	the main means of propulsion of the vessel	use the drop down list; e.g. sail (sailing ship), oar and sail (galley with masts, e.g. Venetian galley, longship, or Zebec), or oar (galley)
ship movement	vessels			related vessels	vessels with which the vessel is associated	e.g. may be the same vessel but in another unit
ship movement	vessels			comments	text commentary upon the vessel	for information that does not fit other fields within the 'vessels' table; not to be used to record data about the journey
ship movement	vessels			vessel of	number of vessel within the unit	
ship movement	vessels			vessel details	vessel data not entered in the duplicating fields	
ship movement	vessels	vessel details		dates	known dates in the history of the vessel (not ship movement dates)	use drop down lists
ship movement	vessels	vessel details	dates	construction	date vessel launched	year only
ship movement	vessels	vessel details	dates	destruction	date vessel destroyed (not lost)	e.g. date broken up; year only
ship movement	vessels	vessel details	dates	prize taken	date vessel taken as a prize	year only
ship movement	vessels	vessel details	dates	hired	date vessel hired	year only
ship movement	vessels	vessel details		people	numbers of people of various categories associated with vessel	
ship movement	vessels	vessel details	people	crew	number of crewmen on board	

ship movement	vessels	vessel details	people	passengers	number of passengers on board	if known to be present but unknown number, enter 'U'; include non-combatants associated with soldiers if a separate total number for them exists
ship movement	vessels	vessel details	people	soldiers	number of soldiers on board	if known to be present but unknown number, enter 'U'; include non-combatants if no separate total for their number exists
ship movement	vessels	vessel details	people	casualties	number of persons on board killed or wounded	if known to have been suffered (or the vessel was lost or involved in a battle) but unknown number, enter 'U';
ship movement	vessels	vessel details		measurements	measurements of the vessel	Use drop down list, e.g. tonnage, length
ship movement	vessels	vessel details	measurements	tonnage	weight or displacement of the vessel (i.e. not necessarily tonnage)	three fields - use the second for numerical value, the third for the unit of measure (enter exact term used in source)
ship movement	vessels	vessel details	measurements	length	length of vessel	three fields - use the second for numerical value, the third for the unit of measure (enter exact term used in source)
ship movement	vessels			additional features	additional characteristics of the vessel	use drop down list
ship movement	vessels	additional features		rig	main characteristics of mast and sails	use definitions from NMR or, otherwise usual terms; use third box
ship movement	vessels	additional features		armament	number of guns	use second box for number and third box for type (i.e. gun)
ship movement	vessels			locations	associated locations not linked to 'journey'	
ship movement	vessels	locations		home port	port or other location at which the vessel is based	only enter if the home port is stated or clearly implied in the text (e.g. "...the Mary of Liverpool..."); do not record the country or region of origin as the home port (these details can be entered under 'nationality')
ship movement	vessels	locations		place of construction	location vessel constructed	if vessel known to have been constructed and fitted out in different locations, enter both locations and explain in comment field
ship movement				reference sources	source from which data in the	use drop down list after entering details of the source in the source main form and refreshing

					ship movement table is obtained	
ship movement	vessels			page	page number of source from which ship movement data obtained	
ship movement	vessels			associated people	named individuals associated with the vessel	
ship movement	vessels	associated people		comments	text commentary on the associated people of the vessel	
ship movement	vessels	associated people		ID	the unique id number for the associated person	
ship movement	vessels	associated people		role	the function of the associated person in the ship movement	use drop down list; additional terms can be entered in 'tables/lut_role'
ship movement	vessels	associated people	role	gunner	person onboard a vessel in charge of the main armament	
ship movement	vessels	associated people	role	patron	master and/or captain of an Italian galley or carrack	
ship movement	vessels	associated people	role	master	captain of a merchant vessel or the person responsible for the navigation of a warship	
ship movement	vessels	associated people	role	naval commander	captain or other person on board who is directly responsible for the command of a warship	
ship movement	vessels	associated people	role	fleet commander	admiral or other person on board one of the vessels who has command of the whole fleet or more than one vessel within it	if fleet commander not in command of whole fleet, add explanatory note in the comments control

ship movement	vessels	associated people	role	owner	owner of vessel (person or named body)	
ship movement	vessels	associated people	role	charterer	hirer or employer of vessel (person or named body)	e.g. of named body - Venetian state, Spanish Crown, Holy Roman Emperor, Knights Templar
ship movement	vessels	associated people	role	in service of	vessel in the employment of an associated person (or named body) not by way of hire or charter	e.g. feudal service
ship movement	vessels	associated people	role	merchant	person trading goods carried on the vessel whether or not he is onboard	
ship movement	vessels	associated people	role	customer	person purchasing goods/services carried on/out by vessel	
ship movement	vessels	associated people	role	crew	person working on a vessel	
ship movement	vessels	associated people	role	passenger	person being carried onboard a vessel for the purpose of travel	includes refugees
ship movement	vessels	associated people	role	soldier	a person serving in military forces	
ship movement	vessels	associated people	role	opponent	person fighting against the vessel	e.g. the commander of an opposing vessel; do not use for the commander of an opposing fleet (use 'ship movement/additional information/associated people/role/opponent')
ship movement	vessels	associated people	role	other	person associated with the vessel who does not fit an existing category	if drop down list does not contain a suitable category and it is not appropriate to add to the drop down list use 'other', making a note in the 'comments' control
ship movement	vessels	associated people		title	an identifying appellation signifying status or function	e.g. captain, commander, sir, duke, king

ship movement	vessels	associated people		name	words by which an associated person or named body is known	use first and surname or equivalent (first and second control boxes respectively); e.g. for named body - Knights Templar, for Knights of St John, enter 'Knights' in second control box and 'St John' in control box for labeled 'of' (do not enter 'of St John')
ship movement	vessels	associated people		of	place or title to which person or named body associated	e.g. for the Duke of Norfolk enter 'Duke' under 'title' and 'Norfolk' under 'of', for Sebastian Cabot of Bristol enter 'Sebastian' and 'Cabot' under 'name' and 'Bristol' under 'of'
ship movement	vessels			cargo	trade or other goods transported by the vessel (not including the vessel's own fixtures, fittings and stores)	
ship movement	vessels	cargo		merchant	merchant associated with the cargo listed	enter merchant id number
ship movement	vessels	cargo		destination	whether cargo is being landed or loaded at the reference point	
ship movement	vessels	cargo	destination	general	uncertain whether cargo is being loaded or unloaded at the reference point	use if the source does not state that the cargo is inward or outward
ship movement	vessels	cargo	destination	inward	source states that the cargo is being unloaded at the reference point	use if the source states that the cargo is being unloaded
ship movement	vessels	cargo	destination	outward	source states that the cargo is being loaded at the reference point	use if the source states that the cargo is being loaded
ship movement	vessels	cargo		reference point (label and controls in the course of being added to the database)	the associated location at which the (cargo) destination is stated by the source	use drop down list of associated locations; e.g. the reference point will be the port for which the port book was compiled

				structure)		
ship movement	vessels	cargo		commodity	type of cargo	use exact description given by source; refer and add to wordlist where necessary
ship movement	vessels	cargo		quantity	amount of cargo	six control boxes, 1,3 and 5 for number of, 2,4 and 6 for text description of units of quantity; use exact description given by source; refer and add to wordlist where appropriate; use for one item of cargo only, e.g. "1 tun 1 pipe of wine" should be recorded as two items of cargo, i.e. 'wine/1/tun/-/-/-/' and wine/1/pipe/-/-/-', n.b. port books may list one item of cargo by reference to more than one measurement, eg. "10 pieces of cloth being 50 yards" should be recorded as 'cloth/10/piece/50/yards/-/'
ship movement				journey	the recorded movements of the unit which constitute the ship movement	
ship movement	journey			type of journey	the reason for or nature of the ship movement	use drop down list; additional terms can be entered in 'lut_JourneyType:Table'
ship movement	journey	type of journey		trade	purpose of the ship movement is commercial trade	
ship movement	journey	type of journey		war	purpose of the ship movement is to attack or defend against an enemy during war	
ship movement	journey	type of journey		discovery	purpose of the ship movement is exploration	
ship movement	journey	type of journey		naval patrol	purpose of the shipping movement is an security patrol	can be either in peace or war, can result in a battle
ship movement	journey	type of journey		raid	short attack by naval ships on a land target, including a port	
ship movement	journey	type of journey		settlement	purpose of the ship movement is	

					to carry settlers	
ship movement	journey	type of journey		unknown	purpose of the ship[movement unknown	
ship movement	journey	type of journey		privateering/piracy	purpose of the ship movement is to capture or to remove goods from other vessels by force	
ship movement	journey	type of journey		supply	purpose of the ship movement is the movement of goods for purposes other than trade	may be escorted
ship movement	journey	type of journey		trade convoy	escorted vessels engaged in commercial trade	
ship movement	journey	type of journey		naval passage	naval ship movement for purposes other than patrol, war or escort	
ship movement	journey	type of journey		other	ship movement for an unidentified purpose	do not use this term if the purpose of the ship movement is known, add new term where appropriate
ship movement	journey			period	period in which ship movement took place	use drop down box
ship movement	journey			uncertain dates betw/and	dates between which a ship movement occurred	only use if source gives no date but states occurred between and or similar, e.g. Port Books may give no dates but will state that the records were compiled between certain dates, such as Michaelmas 1550 and Michaelmas 1551
ship movement	journey			associated locations	locations associated with the ship movement	not with place of construction or home port
ship movement	journey	associated locations		location type	type of location	use drop down list
ship movement	journey	associated locations	location type	departure	location at which the shipping movement begins	

ship movement	journey	associated locations	location type	destination	location at which the shipping movement ends or the outward leg of shipping movement ends	if it is uncertain whether location is the destination, use waypoint
ship movement	journey	associated locations	location type	intended destination	as destination but shipping movement did not reach	I.e. lost or diverted; if uncertain whether location was intended destination, use intended waypoint
ship movement	journey	associated locations	location type	return destination	location at end of return leg of shipping movement	
ship movement	journey	associated locations	location type	way point	location during shipping movement	if it is unknown whether a port was 'departure' or 'destination' use waypoint; if uncertain use 'departure/destination' and tick uncertainty control
ship movement	journey	associated locations	location type	way point (arrive)	way point where date of arrival known	beware Port Books which record date of payment of duty, not arrival/departure
ship movement	journey	associated locations	location type	way point (depart)	way point where date of departure known	beware Port Books which record date of payment of duty, not arrival/departure
ship movement	journey	associated locations	location type	battle	military engagement at sea, not necessarily between naval forces	
ship movement	journey	associated locations	location type	loss location	location vessel lost	
ship movement	journey	associated locations	location type	destination (depart)	as destination but date of departure known	beware Port Books which record date of payment of duty, not arrival/departure
ship movement	journey	associated locations	location type	intended waypoint	as waypoint but the shipping movement did not reach	
ship movement	journey	associated locations		name	name of location	use exact term stated in the source; if unit journeys to a port but does not enter a port, enter "off", e.g. a warship sails from England to Cadiz to blockade the port, enter "off Cadiz" as the destination; tick uncertainty control if location is uncertain

ship movement	journey	associated locations	date	date unit at location as recorded in the source	
ship movement	journey		description	text description of the shipping movement	give as much detail as possible; data concerning the vessel should go in 'ship movement/vessels/comments'
ship movement	additional information		associated people	people associated with the unit as a whole rather than an individual vessel; if a single ship, use 'ship movement/vessels/associated people'; where appropriate enter in both	
ship movement	additional information	associated people	role	see 'shipping movement/vessels/associated people/role'	
ship movement	additional information	associated people	ID	see 'shipping movement/vessels/associated people/ID'	to be added to the database structure
ship movement	additional information	associated people	title	see 'shipping movement/vessels/associated people/title'	
ship movement	additional information	associated people	name	see 'shipping movement/vessels/associated people/name'	
ship movement	additional information	associated people	of	see 'shipping movement/vessels/associated people/of'	
ship movement	additional information		battle name	name of battle	use name given in source
ship movement	additional information		opponents nationality	ethnic origin of opponent	see 'ship movement/nationality'
ship movement	additional information		comments	text comments on additional information	
ship movement	additional information		commemorative monuments	a building or structure erected to commemorate unit, vessel person or event	use the NMR Monument Thesaurus

				associated with the shipping movement	
ship movement	additional information	commemorative monuments	monument name	name of the monument	use name in NMR (first choice) or SMR (second choice) if available
ship movement	additional information	commemorative monuments	location	location of monument	use location in NMR (first choice) or SMR (second choice) if available
ship movement	additional information	commemorative monuments	NMR number	NMR ID number	
ship movement	additional information	commemorative monuments	associated vessel	other vessels associated with the monument	i.e. monument commemorating the Spanish Armada would be associated with both the English and Spanish fleets
shipwrecks			place of loss	named location where vessel lost (not captured)	use precise location stated by text
shipwrecks			manner of loss	reason for loss	use wrecked/foundered(with cause)/sunk/burnt
shipwrecks	manner of loss		wrecked	vessel sank whilst in contact with land or seabed (inc. isolated rocks, reefs and sandbanks)	
shipwrecks	manner of loss		foundered	sank without striking land or seabed (eg. due to force of weather, flooding, battle damage etc.)	include cause of foundering (eg. foundered in storm, foundered due to flooding); use 'sunk' for vessels that founder due to battle damage after combat
shipwrecks	manner of loss		burnt	principal cause of sinking was fire (whether accidental or deliberate)	if fireship lost in action, state (fireship); if lost as result of fireship, state (by fireship)
shipwrecks	manner of loss		sunk	sank due to battle damage during combat	includes vessels that sank after combat due to battle damage
shipwrecks			number of losses	number of vessels within a unit that were lost during the ship movement	
shipwrecks			related	unit/s with link	explain link in comments box

				units	to lost vessel/s	
shipwrecks				vessels lost	identity of lost vessel/s	use vessel name or unique number
shipwrecks				comments	information about the loss/lost vessel not included in other fields	at discretion of the data recorder
shipwrecks				lost	sank (I.e. does not include capture or abandonment)	
shipwrecks				reference sources	list of sources from which the information contained in the unit obtained	list all sources from which data has been recorded (do not include sources to which these sources refer); if more than one source use comments box to attribute data if necessary
shipwrecks	reference sources			title	title of source	use drop down menu; if new source, enter details in the source table and refresh before using drop down menu
shipwrecks	reference sources			page	page number of source from which shipwreck data obtained	state page numbers
shipwrecks				unit	see 'unit' under 'ship movements'	

ATTACHED TO THIS REPORT:

SOURCE APPRAISAL REPORT REF 51552.01