# HMS Colossus Monitoring Survey



Project Report 2010

Kevin Camidge



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## The Team



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## **Project Name**

Colossus Monitoring Survey

## **Summary Description**

There are numerous small artefacts associated with the wreck of *Colossus* exposed on the seabed. The main aim of this project is to record these objects, to survey their current position and monitor their condition. This will allow a proper evaluation of what is present and what the current condition of the exposed objects is. Once this base-line survey of the objects has been made, the amount of object mobility, loss and deterioration can be determined in subsequent monitoring surveys.

A secondary aim of this project is to record the timbers on the western edge of the site which became exposed in August-September 2009. It is important to record these timbers once they become exposed as previous work on the site has demonstrated that they begin to deteriorate as soon as they are exposed. It has been found (Stabilisation Trials 2003-2005) that the main threat to the exposed timbers is from wood boring organisms (Teredo and Limnoria).



## Background

Fig 1 The stern of Colossus as drawn in 2003. The inset shows the location in St Mary's Roads, Scilly.

#### The Ship

*HMS Colossus* was a 74 gun warship built in 1787 at Gravesend and wrecked off Samson in the Scillies in 1798. These 74 gun ships were one of the most successful types of the period. They were typically about 51m (170 feet) in length and had a crew of over 600. During her relatively short working life (eleven years) *Colossus* saw action at Toulon, Groix, Cape St Vincent and Cadiz. She also took part in the capture of two enemy ships in 1793, *Le Vanneau*, a French 6-gun ship and *Vrai Patriot*. She had no less than nine different captains during her relatively short career. She had a complete refit, which took six months, in 1796.

In December 1798 *Colossus* was on her way home to England with wounded from the Battle of the Nile and with cargo including part of Sir William Hamilton's second collection of Greek pottery. She was sheltering from a gale in St Mary's Roads when the anchor cable parted and she was driven aground to the south of Samson. All but one member of the crew were taken off safely before *Colossus* turned onto her beam ends and proceeded to break up.

Vital Statistics	
Length (MGD)	172' 3" (52.5m)
Breadth	47' 9" (14.6m)
Tonnage	1703 tons
Draught (hold)	20' 9½" (6.3m)
Standard armament	28 x 32lb main gun deck 28 x 18lb upper gun deck 14 x 9lb quarter deck 4 x 9lb forecastle
Ballast	110 tons of iron ballast and 250 tons of shingle
Ordered Laid down	13 <sup>th</sup> December 1781 October 1782
Launched	4 <sup>°°</sup> April 1787

#### The Site

The wreck of HMS *Colossus* lies to the south of Samson in the Isles of Scilly. To date two main areas of wreckage have been identified, the bow and the stern. In 1975 part of the wreck (probably the bow) was designated under the Protection of Wrecks Act. This designation was revoked in 1984. The current site, the stern, was designated in 2001, and is located at Latitude 49° 55'.471N, Longitude 006° 20'.505W (260154.906E 5535593.077N UTM zone 30, WGS84).

#### Previous work

Salvage work took place on *Colossus* from the time of her loss until the early part of last century. Work included Braithwaite and Tonkin 1803-1806, the Dean Brothers in the 1830s and possibly Western Marine Salvage in the early part of last century.

Roland Morris, a marine salver and proprietor of the Penzance Maritime Museum, began searching for the wreck of *Colossus* in 1967 using a small team of divers. In August 1974 they located material relating to *Colossus*. The site was designated in 1975 under the Protection of Wrecks Act 1973. A large quantity of pottery, remains of Hamilton's second collection, was recovered and deposited in the British Museum – where at least one of these reconstructed pots is now on public display. Once Morris' team had finished their work, the site was de-designated in 1984.

Areas of exposed timber and iron guns were discovered by local divers in 2001. This material was some distance to the east of the area worked by Morris and turned out to be part of the stern of *Colossus*. This was designated in July 2001. Late in 2001 the Archaeological Diving Unit (ADU) excavated at the stern of *Colossus* as well as around a piece of carved timber, which turned out to be one of the stern quarter-pieces of the vessel.

In 2002 a quarter-piece, part of the stern decoration of the vessel, was recovered from the site. This was conserved at the Mary Rose Trust, and has now been returned to Scilly for display on Tresco. Later that year a small excavation was undertaken on the site to establish the nature and extent of the structural remains.

In 2003, a two-year site stabilisation trial was commissioned by English Heritage, to determine the most effective method of slowing down the deterioration of the exposed timbers on the seabed.

In 2004 and 2005 the Cornwall and Isles of Scilly Maritime Archaeology Society (CISMAS) carried out a survey of the debris field surrounding the wreck of *Colossus*.

Between 2002 and 2007 the author carried out monitoring of the sediment levels on the site. This work has demonstrated that the sediment levels around the stern section of *Colossus* have continued to fall throughout this period.

In 2008, a small area at the stern of the wreck was protected with a geotextile covering of Terram 4000. The efficacy of this type of protection on this site was established in the stabilisation trials commissioned by English Heritage (2003-2005). Timber sample blocks were installed beneath the Terram mat and on the seabed. A small seabed sign was also installed to inform visiting divers of the function of the Terram protection. Before the Terram was installed, the area to be covered was

recorded in detail - along with a control area - so that the long term effects of the stabilisation could be determined.

In 2008 a diver trail was installed on the site and an underwater guide book produced, copies of which are held by the local dive charter boats for the use of visiting divers. This work was commissioned by English Heritage.

Sediment levels on and around the site have been monitored since 2003. Levels are recorded on every visit to the site, typically two or three times per year. This allows an objective measure of the continued exposure and deterioration of the timbers of the wreck.

## Objectives

Ongoing monitoring of the sediment levels around the wreck has shown that the wreck continues to expose. Once the timber of the wreck is exposed on the seabed, it begins to deteriorate. Consequently, the exposed timber of the wreck has a relatively short life expectancy. Since 2003, the *Colossus* stern site has been the subject of regular visits by recreational divers. Three dive charter boats take visiting divers to the site under a visitor licence issued by DCMS. There are numerous small artefacts associated with the wreck exposed on the seabed; as the sediment levels fall more of these are exposed. Furthermore, ongoing monitoring of the wreck has shown that these objects move around the site and in some cases disappear altogether. To date, only the fabric of the wreck has been recorded in detail.

The main aim of this project was to record the objects exposed on the seabed, to survey their current position and monitor their condition. Once this base-line survey of the objects has been made, the amount of object mobility, loss and deterioration can be determined in subsequent monitoring surveys. This will be useful in monitoring the impact of *policy 1* of the site management plan (Dunkley, 2007) on the more vulnerable artefacts exposed on the seabed. These objects cannot be monitored until a proper record of their current position and condition is made. This is of particular relevance as a number of other diver access schemes are currently being instigated on other protected wreck sites.

A secondary aim of this project was to record the timbers on the western edge of the site which became exposed in August-September 2009. It is important to record these timbers once they become exposed as previous work on the site has demonstrated that they begin to deteriorate as soon as they are exposed. It has been found (Stabilisation Trials 2003-2005) that the main threat to the exposed timbers is from wood boring organisms (Teredo and Limnoria).

## Recording

The fieldwork for this project was conducted by the Cornwall and Isles of Scilly Maritime Archaeology Society (CISMAS) under the direction of Kevin Camidge. CISMAS has already carried out work on *Colossus* including a two year survey of the debris field in 2004-5, facilitated by a grant from the Lottery Heritage Initiative. More recently, CISMAS undertook the recording phase of the Stabilisation and Recording Project commissioned by English Heritage and completed in 2007.

CISMAS members have also been involved in the detailed recording of the wreck of *Firebrand* (1707) in Scilly for the last four years. Although CISMAS is an organisation of volunteers, the survey standards achieved by its members is of a very high standard.

#### Monitoring the exposed artefacts

The objects exposed on the seabed were located, surveyed and recorded by CISMAS divers during six days of diving in July 2010. Ten separate search areas were defined around the wreck (fig 3 below) covering a total area of 608 square metres. Temporary control points were established at each end of each search area. These were positioned by direct measurement from existing site control points – in each case a minimum of four measurements were taken to fix the temporary control points. The control points were then used to hold a base-line, along which 2 x 1m planning frames were positioned. The planning frames were then used to direct the search for artefacts – each square being systematically searched. Once located, the position of each object was recorded as distance along baseline and offset from baseline. These measurements were then plotted on the site plan to provide the coordinates of the object. The time taken to achieve this varied with the amount of weed which had to be cleared and the number of objects to be recorded, but on average 16 square metres per hour were covered by each diver.

Ship structure	113
Loose timber	7
Copper clenched bolts	17
Copper sheathing nails	63
Copper sheathing	6
Iron ring bolts	7
Lead scupper pipes	4
Window glass	9
Rigging	10
Chain plate	1
Blocks	2
Sheaves (wood)	5
Sheave bearings (copper alloy)	2
Small arms	8
Flintlock muskets	5
Musket parts	3
Ammunition	2
Iron shot	2
Miscellaneous	32
Iron concretion	21
Sheet lead	7
Uncertain	4
Personal possessions	8
Tobacco pipe	1
Ceramic	2
Vessel glass	3
Furniture parts	1
Copper lid	1
TOTAL	173

Each object was given a unique, sequential number. The objects were photographed, measured, described and sketched in position on the seabed. In total 173 objects were recorded, and a summary of these objects is given in fig 2 (left). The full record of the objects is reproduced in appendix I. The position of each object was plotted onto the existing site plan (fig 4 and CDROM). The drawings and photographs of all the objects are stored on the CD ROM which accompanies this report.

Fig 2

Summary of the objects located and recorded



Fig 3 Showing the search areas (in grey) and the control points (in blue) used to undertake the recording of 'portable' objects exposed on the seabed.



Fig 4 Showing the distribution of the exposed artefacts (in red) relative to the exposed timber and iron or the wreck

Example photographs and drawings of the objects. The complete collection can be found on the CD ROM which accompanies this report. A full record of every object is reproduced in appendix I of this report.

523 Sheave



The markings on this block sheave survive very well – WT denotes the manufacturer, Walter Taylor, who made blocks for the Navy under contract in Southampton in the late 18<sup>th</sup> century. MH93 denotes the date of manufacture, March 1793 (Bingeman, 2010).

556 Musket trigger guard





#### 629 Copper clenched bolt with rove





#### 636 Copper sheathing nails





The condition of the artefacts was recorded using the NMR FISH/Inscription REP93 condition wordlist (see finds record appendix I). This was determined from the photographs and records made of the object during the diver survey. This will allow comparison when the object is recorded during future monitoring inspections on the site, which in practice will probably involve monitoring a group of selected objects during the routine inspection and sediment monitoring of the site.

#### Recording of the newly-exposed timber

Approximately 15 square metres of newly-exposed timber was noticed at the western edge of the wreck during routine site monitoring in September 2009 (fig 5). As part of this project the newly-exposed timbers at the western end of the site were recorded by a planning frame survey and the results added to the existing site plan. The planning frame survey was undertaken using 1 x 1m planning frames positioned along baselines. These baselines were fixed by reference to the existing control points on the site. The site drawings were made on A3 mylar sheets at a scale of 1:10 and were then scanned and imported to AutoCAD. As well as recording the newly-exposed timber, a 2m strip of the already-recorded timbers was drawn, allowing an assessment of the deterioration of the wreck since this part of the site was last drawn in 2002.



Fig 5 The approximate outline of the area of newly-exposed timber which was recorded as part of this project.

The recording of the newly-exposed timbers has demonstrated that previously buried timbers are now exposed on the seabed. This is due to the documented diminution of the sediment levels around the wreck (see below). As well as the newly exposed timbers, previously exposed timber has now decayed and areas previously recorded are now missing. Previously buried iron structures were also recorded, notably part of the main mast shroud chains. The extent of these changes can best be judged by comparing fig 5 – the plan existing in 2009 – with the site plan after the newly-exposed timber was recorded this year – fig 6 below.



#### Monitoring of the sediment levels

Routine monitoring of the sediment levels around the wreck was undertaken on two separate occasions this year – on  $24^{th}$  July and  $31^{st}$  August. These results are shown along with previous readings in the form of bar charts - figs 7 and 8 below. These charts confirm the impression gained by regular divers on the site that the sediment levels have fallen considerably over the last 12 months. The recorded fall in levels since September 2009 is one of the most marked recorded to date.

One of the most noticeable exposures noticed this year was in the central part of the site. Previously the timber in this area was almost entirely buried; new timber is now exposed over much of this area. Consideration should be given to the recording of this timber before it suffers decay – previous work (Camidge, 2005a) has shown that this newly exposed timber will be severely damaged and eroded within 18 months of exposure by wood boring organisms.



Fig 7 Bar chart of sediment level changes relative to May 2003 for M1 to M8; August 2003 for M10 to M15. Values shown are in millimetres; positive values denote a rise in seabed level (relative to 2003) while negative values denote a fall in seabed levels (relative to 2003).



Fig 8 Bar chart showing the mean overall change in seabed sediment level (relative to the level in 2003) for all monitor points. All values are in millimetres. Zero represents the seabed level in 2003; negative values denote a mean fall in sediment levels, positive values a mean rise in sediment levels

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## The DVD ROM

Contents of the DVD ROM							
Content	Format						
Finds photographs	JPEG, stored in folders by find number						
General Photographs	JPEG						
Finds drawings	PNG						
2010 Site plan	PDF						
Finds distribution plan	PDF						
Condition list (REP93)	PDF						
Report (this report)	PDF						

## Appendix I – Finds Record

The following table gives the metadata for the finds record reproduced below. This table is a subset of the full finds record – which is reproduced in full on the accompanying DVD ROM.

Data Field	Data type	Notes and NMR Thesaurus
ID No	Numeric	Unique identifier. Note that some numbers in the
		sequence were not used – in which case the record
		is marked <b>NOT USED</b>
O class	Text	Object class in <mda archaeological="" objects=""> or</mda>
		<test and="" fittings="" fixtures="" ship="" thesaurus="" –=""></test>
		where relevant entries exist
O type	Text	Object type in <mda archaeological="" objects=""> or</mda>
		<test and="" fittings="" fixtures="" ship="" thesaurus="" –=""></test>
		where relevant entries exist
O name	Text	Object name - Preferred term in <mda< td=""></mda<>
		archaeological objects> or <test fixtures<="" td="" thesaurus=""></test>
		and fittings – ship fittings> where relevant entries
		exist
Material	Text	<nmr building="" main="" materials=""> where relevant</nmr>
		entries exist. NB Copper alloy has been added
Nos	Numeric	Where multiple and numerous identical objects
		exist (eg five musket balls) this field shows how
		many there are.
Description	Text	Description of the object
Condition	Text	<rep93 condition=""></rep93>
DIM	Text	Dimensions in mm
Position	Text	Gives the position of the centre of the object as
		UTM zone 30 WGS84. (the positions are in metres)

ID No	O Class	О Туре	O Name	Material	Nos	Description	Condition	Dim (mm)	Position
500						NOT USED			
501			Object	Iron	1	Iron concretion, partly hollow.	Poor	150x120x70	260150.88 5535579.31
502	Armour and weapons	Ammunition	Grape Shot	Iron	1	Iron concretion containing a number of iron grape? shot.	Fair	300x250x10	260149.42 5535580.58
503	Ship structure		Timber	Wood	2	Two pieces of wood with hole, mobile on the seabed.	Poor	40x10x50	260149.80 5535582.22
504	Unassigned		Object	Iron	1	Iron concretion - Flat bottom with hole	Poor	230x150x10	260149.39 5535582.62
505	Unassigned		Object	Iron	1	Heavily concreted iron.	Poor	430x220x10	260149.99 5535583.14
506	Ship structure	Fastenings	Clenched Bolt	Copper	1	Copper fastening bolt. One end worn, the other flattened by hammering	Fair	320x20 dia	260148.95 5535590.40
507	Ship structure	Fastenings	Nail	Copper	2	Copper sheathing nails	Good	34x11	260147.47 5535590.90
508	Ship fittings	Rigging fittings	Sheave bearing	Copper alloy	1	Sheave bush (COAK) from the centre of a wooden sheave	Fair	50x11	260148.66 5535591.06
509	Unassigned		Object	Iron	1	Unidentified iron concretion	Poor	100×100	260151.55 5535582.58
510	Unassigned	Fastenings	Object	Iron	1	Piece of Iron bar, moderately concreted	Very bad	400x150	260151.48 5535583.72
511	Unassigned		Object	Copper	1	Curved copper vessel or possibly cladding , riveted along one edge	Fair	230x130 - external dia 230 - internal dia 190	260151.08 5535584.73
512	Unassigned		Fe Concretion	Iron	1	piece of iron rod	Very bad	180x40	260150.61 5535585.03
513	Unassigned		Fe Concretion	Iron	1	Piece of iron concretion with hole running through it	Poor	300x150x	260153.46 5535581.77

ID No	O Class	О Туре	O Name	Material	Nos	Description	Condition	Dim (mm)	Position
514	Ship structure		Object	Wood	1	piece of wood	Very bad	200x50	260153.66
									5535581.81
515	Ship structure		Object	Wood	1	piece of wood	Very bad	200x150	260151.27
									5535582.93
516	Unassigned		Sheet lead	Lead	1	Lead sheet	Poor	250x150x3	260152.52
									5535582.79
517	Ship structure	Fastenings	Clenched	Copper	1	Copper bolt, clenched at	Fair	350x20 Ø	260151.30
			Bolt			one end			5535590.30
518	Ship structure	Fastenings	Clenched	Composite	1	Copper nail with wood	Fair	320x20	260149.58
			Bolt			attached			5535589.72
519	Ship structure	Hull	Metal hull	Copper	1	copper plate with 2	Poor	50x50x1	260151.22
		<b>.</b>	sheathing		_	square nail holes in it			5535585.06
520	Ship fittings	Rigging	Double	Wood	1	I wo wood block sheaves,	Good	165mm dia - 160	260152.95
		fittings	sheave and			side-by-side with		pin length - 30	5535586.56
F 2 4	A	Muslart	pin Fliathach	<b>T</b>	-	wooden axie pin	Deser		260151.00
521	Armour and	Musket	FIINTIOCK	Iron	L	Musket barrel and pan?	Poor	120X580	260151.08
522	Chip structure	1.111	Matal hull	Connor	1	Connor choothing with		200 x 100 x 1	20156 72
522	Ship structure	пип	Metal IIuli	Copper	L	copper sneathing with	Fall	200 X 160 X 1	200130.72
			sneathing			boles			555555.10
523	Shin fittings	Rigging	Sheave	Wood	1	Sheave with copper alloy	Good	160 dia 18 thick	260154 73
525	Ship hungs	fittings	Sheave	wood	1	bearing (3 lobe type)	0000	100 ula, 10 thick	5535588 66
		neengo				Marked WT MH93 with			5555560.00
						broad arrow. WT=Walter			
						Taylor, MH93=March			
						1793			
524	Ship structure	Fastenings	Nail	Copper	1	Copper sheathing nail,	Good	40 x 4	260154.23
_		<u> </u>				round head with square		-	5535588.15
						sectioned shank			
525	Architecture	Architectural	Window	Glass	1	Fragment of flat window	Fair	110x100x3	260154.96
		fragment	glass			glass			5535589.72
526	Ship structure	Fastenings	Clenched	Copper	1	Copper bolt, clenched at	Fair	350 x 20 Ø	260193.92
		_	Bolt			one end			5535590.14
527	Ship fittings	Rigging	Sheave	Wood	1	Sheave with circular	Poor	180 dia x 20 thick	260153.52
		fittings				copper alloy bearing with			5535590.45
		_				four fastening holes			
528	Ship structure		Plank	Wood	1	Plank with three	Poor	70x40x1000	260154.22
						surviving nail holes			5535591.09

ID No	O Class	О Туре	O Name	Material	Nos	Description	Condition	Dim (mm)	Position
529	Unassigned		Unidentified	Composite	1	Wood and Iron	Very bad	500x250x150	260156.87
						concretion			5535584.38
530	Unassigned		Architrave	Wood	1	Fragment of eroded	Poor	115x35x18	260157.71
						timber moulding			5535584.35
531	Ship fittings	Unassigned	Ring bolt	Iron	1	Corroded iron ring with	Poor	230x30	260153.37
						part of the iron bolt still			5535584.26
						attached.			
532	Ship fittings	Unassigned	Ring bolt	Iron	1	Heavily concreted iron -	Very bad	30x160x10	260151.71
						ring bolt?.			5535589.45
533	Ship fittings		Scupper pipe	Lead	1	Length of curved lead	Fair	760x350x40	260154.34
						pipe - probably scupper			5535582.85
534	Ship fittings	Unassigned	Ring bolt	Iron	1	Iron ring and long bolt	Poor	40x120x10	260154.47
									5535583.19
535	Ship structure	Hull	Metal hull	Copper	1	Piece of copper sheet	Poor	220x100	260161.12
			sheathing			with three worn circular			5535595.62
						holes			
536	Ship structure	Fastenings	Nail	Copper	1	Copper sheathing nail,	Fair	40x10	260161.30
						round head with square			5535592.18
						sectioned shank	_ ·		
537	Architecture	Architectural	Window	Glass	1	Fragment of window	Fair	80x/0 - 5mm	260161.26
500		fragment	glass			glass		thick	5535592.21
538	Architecture	Architectural	Window	Glass	1	Fragment of window	Fair	130x40 - 5mm	260159.93
500		fragment	glass		-	glass	<u> </u>		5535586.36
539	Ship fittings		Scupper	Lead	1	Fragment of lead pipe	Poor	2/0x160x	260158.97
F 4 0	Chin atmusture	11	pipe?	Common	1	Connon bull aboathing	<b>F</b> _:	150deep	2535590.85
540	Ship structure	Hull		Copper	1	Copper null sneatning	Fair	520X160X2	
E 4 1	Chin atmusture	11	Sneatning Motol bull	Connor	1	With eroded half holes	Deer	150,100	260162.00
541	Ship structure	Hull		Copper	1	Eroded and bent copper	Poor	150X100	260163.98
			sneatning			null sheathing with hall			5535586.47
E40	Chip structure	Factonings	Clanchod	Connor	1	Norv aradad cappar balt	Door	160,20	260159 20
542	Ship structure	rastenings	Rolt	Copper	1	very eroded copper bolt,	2001	100X20	200150.29
			DUIL			offe end rounded and the			5555591.12
542	Ship structure	Factonings	Clanchad	Connor	1	Coppor bolt, clonchod at	Fair	410,20	260157.07
545		rasterings	Bolt	Cohhei	<b>1</b>	one end	i all	410720	5535502 08
544	Containor	Food conving	Plato	Coramic	1	Eragmont of white dazed	Fair	80×40×4	260162.61
544	Container	containor	FIGLE	Cerannic	-	nagineni or wille gidzed	ran	0024024	200102.01
545	Upaccianod	containei	Shoot load	Lood	1	Diaco of load shoot	Door	200×120×2	266162.00
545	Unassigned		Sheet lead	Leau	1	FIELE OF IEdu SHEEL	F001	ZUUXIZUXS	200102.90
1	l			1	1		1	l	2222202.27

546UnassignedObjectComposite1Wood with part of leadVery bad380:180260159.01 (535590.85)547ContainerVesselGlass1Fragment of lead sbace with part of circular bodyFair50x70 - 3mm thick260158.09 (535591.16)548UnassignedLSheet leadLead1Fragment of lead sheet boltPoor120x150260159.09 (535585.13)549Ship fittingsUnassignedRing boltIron1Fragment of an iron ring pipePoor70x50260160.14 (533586.40)550UnassignedMusketRamrod feral glassCopper alloy1Musket ramrod feral glassFair40x50250157.31 (533586.67)551Armour and weaponsMusketRamrod feral glassCopper alloy1Musket ramrod feral glassFair58x17x4thick260157.31 (533586.67)553Ship fittingsUnassignedRing boltIron1Iron ring, part of a ring boltPoor230x60253580.11 (533580.68)554ContainerVesselGlass1Fragment of vessel glass holds along one edgeFair38x35x2thivk260162.71 (533584.41)555UnassignedMusketMusketCopper alloy1Musket trigger guard glassGood155x50260162.71 (533584.43)554VansignedMusketMusketCopper alloy1Lead shathing with nail holes along one edgePo	ID No	O Class	О Туре	O Name	Material	Nos	Description	Condition	Dim (mm)	Position
547ContainerVesselGlass1Fragment of glass base with part of circular bodyFair50x70 - 3mm thick260158.49 5535590.16548UnassignedSheet leadLead1Fragment of circular bodyPoor120x150260158.98 5535586.13549Ship fittingsUnassignedRing boltIron1Fragment of an iron ring pipePoor70x50260160.14 5535586.400550UnassignedObjectIron1Fragment of iron tube or pipePoor70x50260157.33 5535586.670551Armour and weaponsMusketRamod feral fragmentCopper alloy1Musket ramod feral glassFair58x17x4thick260155.98 5535586.67552Architecturel fragmentArchitectural glassRing boltIron1Iron ring, part of a ring glassPoor230x60260155.25 5535580.618554ContainerVesselGlass1Fragment of vindow glassFair38x35x2thick260156.25 5535582.45555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor230x60260156.25 5535884.41556Armour and weaponsMusketCopper1Curved coper stripFair35x3584.41 5535582.45557UnassignedObjectCopper1curved coper stripFair61x42x54260162.44 5535580.45557UnassignedMusketCopper <td>546</td> <td>Unassigned</td> <td></td> <td>Object</td> <td>Composite</td> <td>1</td> <td>Wood with part of lead</td> <td>Very bad</td> <td>380x180</td> <td>260159.01</td>	546	Unassigned		Object	Composite	1	Wood with part of lead	Very bad	380x180	260159.01
547ContainerVesselGlass1Fragment of glass base with part of circular bodyFairS0x70 - 3mm260158.49548UnassignedSheet leadLead1Fragment of lead sheetPoor120x150260158.98549Ship fittingsUnassignedRing boltIron1Fragment of airon ring boltPoor70x50260160.14550UnassignedObjectIron1Fragment of iron tube or pipeVery bad40x50260157.33551Armour and weaponsMusketRamroof feral glassCopper1Musket ramrod feral alloyFair51x1.4x260157.18552Architecture rragment of glassArchitectural glassGlass1Fragment of window glassFair58x17x4thick260155.98554ContainerVerselGlass1Fragment of vessel glassFair38x35x2thivk260162.71555UnassignedUnassignedRing boltIron1Iron ring, part of aring boltPoor200x70x2260161.36555UnassignedMusketCopper1Lead sheathing with nail holes along one edgePoor200x70x2260161.36557UnassignedMusketCopper1curved copper stripFair61x42x54260162.73558Architectural reagmentMusketCopper1curved copper stripFair61x42x54260161.36557UnassignedObject							object attached			5535590.85
548UnassignedSheet leadLead1Fragment of circular bodythick5335591.16548UnassignedRing boltIron1Fragment of lead sheetPoor120x150260188.98549Ship fittingsUnassignedRing boltIron1Fragment of an iron ring boltPoor70x50260180.14550UnassignedObjectIron1Fragment of ron tube or pipeVery bad40x50260157.33551Armour and weaponsMusketRamod feral alloyCopper1Musket ramod feral glassFair41x12260157.11553Ship fittingsUnassignedRing boltIron1Iron ring, part of a ring boltPoor230x60260156.25554ContainerVesselGlass1Fragment of vessel glassFair38x35x2thivk260162.71555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor200x70x2260161.36555Architectural weaponsMusketCopper1Musket trigger guardGood155x12x1260162.71556Armour and weaponsMusketCopper1Lead sheathing with nail holes along one edgePoor200x70x2260161.36557UnassignedMusketCopper1curved copper stripFair60x40260145.41558Architectural fragmentMidowGlass1Fragment	547	Container		Vessel	Glass	1	Fragment of glass base	Fair	50x70 - 3mm	260158.49
548UnassignedSheet leadLead1Fragment of lead sheetPoor120x150260158.98 5535585.13549Ship fittingsUnassignedRing boltIron1Fragment of an iron ring boltPoor70x50260157.31 553558.140550UnassignedObjectIron1Fragment of iron tube or pipeVery bad40x50260157.31 533586.70551Armour and weaponsMusketRamrod feral ragmentCopper alloy1Musket ramrod feral glassFair41x12260157.98 533586.67552Architectural fragmentWindowGlass1Fragment of vindow glassFair58x17x4thick260155.98 5335590.68554ContainerVesselGlass1Fragment of vessel glassFair38x35x2thivk260162.71 533584.41555UnassignedSheet leadLead1Leadsching with nail holes along one edgaPoor200x70x2260161.36 533584.41557UnassignedCopper1curved copper stripFair61x42x54260152.74 533584.51558Architecture weaponsArchitectural fragmentWindowGlass1Fragment of window glass155x12x1260162.73 533584.41557UnassignedCopper1curved copper stripFair61x42x54260161.24 5335884.51558Architecture fragmentWindowGlass1Fragment of window glassFair6							with part of circular body		thick	5535591.16
549Ship fittingsUnassignedRing boltIron1Fragment of an iron ring boltPoor70x50260160.14 533586.40550UnassignedObjectIron1Fragment of iron tube or pipeVery bad40x50260157.33 53585.13551Armour and waponsMusketRamrod feral alloyCopper alloy1Musket ramrod feral glassFair41x12260157.11 53586.67552Architecture fragment glassArchitectural glassWindow glassGlass1Fragment of window glassFair58x17x4thick260155.98 533580.612553Ship fittingsUnassignedRing boltIron1Iron ring, part of a ring boltPoor230x60260162.71 5335582.45554ContainerVesselGlass1Fragment of vessel glass alloyFair38x35x2thivk260162.71 533558.445555UnassignedMusketMusketCopper alloy1Lead sheathing with nail holes along one edgePoor200x70x2260161.36 535584.45557UnassignedObjectCopper1Musket trigger guardGood155x12x1260162.71 535584.45558Architecture waponsArchitectural fragmentWindowGlass1Fragment of vessel glassFair155x12x1260162.74 535584.45558Architecture fragmentMusketCopper1Musket trigger guardGood155x12x1260162.7	548	Unassigned		Sheet lead	Lead	1	Fragment of lead sheet	Poor	120x150	260158.98
549Ship fittingsUnassignedRing boltIron1Fragment of an iron ring boltPoor70x50260160.1453586.40550UnassignedObjectIron1Fragment of iron tube or pipeVery bad40x50260157.33551Armour and weaponsMusketRamrof feral glassCopper alloy1Musket ramrof feral oltassFair41x12260157.11552ArchitectureArchitectural fragment glassWindowGlass1Fragment of window plassFair58x17x4thick260155.98553Ship fittingsUnassignedRing boltIron1Iron fing, part of a ring boltPoor200x70x2260162.71553ContainerLesselGlass1Fragment of vessel glass alloyFair38x35x2thivk260162.71555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor200x70x2260162.73557UnassignedMusketMusketCopper1Curved copper stripFair155x12x1260162.43557UnassignedArchitectural fragmentglass1Fragment of window glassFair60od155x5025584.40558Architectural fragmentMusketCopper1curved copper stripFair155x12x1260162.73558Architectural fragmentglass1Fragment of window glassFair61x42x54										5535585.13
550UnassignedInce<	549	Ship fittings	Unassigned	Ring bolt	Iron	1	Fragment of an iron ring	Poor	70x50	260160.14
550UnassignedObjectIron1Fragment of iron tube or pipeVery bad40x50260157.33 533585.1a551Armour and weaponsMusketRamrod feral alloyCopper alloy1Musket ramrod feral glassFair41x12260157.11 533586.67552ArchitecturelArchitectural fragmentWindow glassGlass1Fragment of window glassFair58x17x4thick260155.98 533590.68553Ship fittingsUnassignedRing boltIron1Iron ring, part of a ring boltPoor230x60260162.71 533590.68554ContainerVesselGlass1Fragment of vessel glassFair38x35x2thivk260152.71 533582.45555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor200x70x2260161.36 533584.46557UnassignedMusketCopper alloy1curved copper stripFair155x12x1260162.53 533584.51558Architecturel fragmentWindow glassGlass1Fragment of window glassFair61x42x54260119.7 533588.51560Ship fittingsUnassignedRing boltIron1Iron ring boltPoor80 w20cm dia260162.13 533588.451559Architecturel fragmentWindow glassGlass1Fragment of window glassFair80 w20cm dia26016.76 533588.51560Ship fi							bolt			5535586.40
SolutionArmour and weaponsMusketRamod feral alloyMusket ramod feral alloyFair41x1253558.18 20015.711 535586.67552Architecturel fragment glassArchitectural glassWindow glassGlass1Fragment of window glassFair58x17x4thick 535590.11260155.98 535590.11553Ship fittings UnassignedUnassigned Ring boltRing bolt PosselIron1Iron ring, part of a ring boltPoor230x60260156.25 533559.01.8554ContainerVesselGlass1Fragment of vessel glass holes along one edgeFair38x35x2thivk260162.71 5335584.41555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor200x70x2260161.36 5335584.41556Armour and weaponsMusketCopper1Musket trigger guard glassGood155x50260162.53 533584.41557UnassignedObjectCopper1curved copper strip glassFair80x40260161.44 533588.36558ArchitectureArchitectural fragment glassWindowGlass1Fragment of window glassFair80x40260145.81 533588.36559ArchitectureArchitectural fragmentWindowGlass1Fragment of window glassFair80x40260145.71 533588.36560Ship fittingsUnassignedRing boltIron1Iron<	550	Unassigned		Object	Iron	1	Fragment of iron tube or	Very bad	40x50	260157.33
551 weaponsArmour and weaponsMusketRamrod feral alloyCopper alloy1Musket ramrod feral alloyFair41x12260157.11552 553Architectural fragmentArchitectural fragmentWindow glassGlass1Fragment of window plassFair58x17x4thick260155.98 5533580.67553Ship fittingsUnassignedRing boltIron1Iron ring, part of a ring boltPoor230x60260162.71 5535582.45554ContainerVesselGlass1Fragment of vessel glassFair38x35x2thivk260162.71 553582.45555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor200x70x2260161.36 553584.41557UnassignedMusketMusketCopper alloy1Musket trigger guardGood155x50260162.73 553584.46557UnassignedObjectCopper1curved copper stripFair155x12x1260162.44 5535585.36559ArchitectureArchitectural fragmentWindowGlass1Fragment of window glassFair61x42x54260145.81 553558.36559ArchitectureArchitectural fragmentWindowGlass1Fragment of window glassFair80x40260145.78 553558.36559ArchitectureArchitectural fragmentRing boltIron1Iron ring plotPoor80x40260145.78 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>pipe</td> <td></td> <td></td> <td>5535585.18</td>							pipe			5535585.18
weaponsalloyconstruction5535586.67552ArchitectureArchitectural fragment glassGlass1Fragment of window glassFair58x17x4thick260155.98 	551	Armour and	Musket	Ramrod feral	Copper	1	Musket ramrod feral	Fair	41x12	260157.11
552Architecture fragmentArchitectural glassWindow glassGlass1Fragment of window glassFair58x17x4thick260155.98 5535590.11553Ship fittingsUnassignedRing boltIron1Iron ring, part of a ring boltPoor230x60260156.25 5535590.16554ContainerVesselGlass1Fragment of vessel glassFair38x35x2thivk260162.71 5535582.45555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor200x70x2260161.36 5535584.41556Armour and weaponsMusketMusketCopper alloy1Musket trigger guard glassGood155x50260162.73 5535584.51557UnassignedObjectCopper glass1Fragment of window alloyFair61x42x54260161.97 5535584.51558Architecture fragmentArchitectural glassWindow glassGlass1Fragment of window glassFair61x42x54260161.97 5535588.53559Architecture fragmentArchitectural glassWindow glassGlass1Fragment of window glassFair80x40260145.76 5535588.20560Ship fittingsUnassignedRing boltIron1Iron ring boltPoor80 w 20cm dia 5535588.20561Ship structure fragmentFasteningsNailCopper nail1Round headed copper nail with sq		weapons			alloy					5535586.67
111	552	Architecture	Architectural	Window	Glass	1	Fragment of window	Fair	58x17x4thick	260155.98
553Ship fittingsUnassignedRing boltIron1Iron ring, part of a ring boltPoor230x60260156.25 553550.68554ContainerVesselGlass1Fragment of vessel glassFair38x35x2thivk260162.71 5535582.45555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor200x70x2260162.73 5535584.46556Armour and weaponsMusketMusketCopper alloy1Musket trigger guardGood155x50260162.53 5535584.46557UnassignedObjectCopper1curved copper stripFair155x12x1260161.97 5535584.46558Architecture fragmentArchitectural glassWindowGlass1Fragment of window glassFair61x42x54260145.96 5535589.36560Ship fittingsUnassignedRing boltIron1Iron ring boltPoor80 w 20cm dia 2535580.23561Ship structure faignendFasteningsNailCopper1Round headed copper nail with square sectioned shank - sheathing nailGood40 long - head 9 dia260148.77 5535580.23562UnassignedObjectWood1Timber fragment sheathing nailPoor550x110260146.86 5535580.29563ContainerLid?Copper1Domed, circular copper fairFair40260146.99			fragment	glass			glass			5535590.11
554ContainerVesselGlass1Fragment of vessel glassFair38x35x2thivk260162.71555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor200x70x2260161.36556Armour and weaponsMusketMusketCopper alloy1Musket trigger guardGood155x50260162.53557UnassignedObjectCopper alloy1curved copper stripFair155x12x1260162.44558Architecturel fragment glassWindow glassGlass1Fragment of window glassFair61x42x54260161.97559Architecturel fragment glassWindow glassGlass1Fragment of window glassFair80x40260145.81551UnassignedUnassignedRing boltIron1Iron ring boltPoor80 w20cm dia260146.76553580.23Ship fittingsUnassignedNailCopper1Round headed copper nail with square sectioned shank - sheathing nailGood40 long - head 9 dia260148.77563ContainerUnassignedDijectWood1Timber fragmentPoor550x110260146.86 5535583.29563ContainerLid?Copper1Domed, circular copperFair40260146.86 553583.29	553	Ship fittings	Unassigned	Ring bolt	Iron	1	Iron ring, part of a ring	Poor	230x60	260156.25
554ContainerVesselGlass1Fragment of vessel glassFair38x35x2thivk260162.71 553582.45555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor200x70x2260162.53556Armour and weaponsMusketMusketCopper alloy1Lead sheathing with nail holes along one edgePoor200x70x2260162.53557UnassignedMusketMusketCopper alloy1curved copper strip glassFair155x12x1260162.54558ArchitectureArchitectural fragment glassWindow glassGlass1Fragment of window glassFair61x42x54260161.97559Architecture fragment glassArchitectural glassWindow glassGlass1Fragment of window glassFair80x40260145.81560Ship fittingsUnassignedRing boltIron1Iron ring boltPoor80 w 20cm dia260145.76561Ship structure diaFasteningsNailCopper1Round headed copper nail with square sectioned shank - sheathing nailGood40 long - head 9 dia260148.77563ContainerLid?Copper1Timber fragmentPoor550x110260146.86 5535584.29563ContainerLid?Copper1Domed, circular copper rail with square sectioned shank - sheathing nailPoor550x110260146.							bolt			5535590.68
555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor200x70x2260161.36 5535584.41556Armour and weaponsMusketMusketCopper alloy1Musket trigger guardGood155x50260162.53 5535584.46557UnassignedObjectCopper alloy1curved copper strip glassFair155x12x1260162.44 5535584.46558Architecture fragmentArchitectural glassWindow glassGlass1Fragment of window glassFair61x42x54260161.97 553558.36559Architectural fragmentWindow glassGlass1Fragment of window glassFair80x40260145.81 535580.23560Ship fittingsUnassignedRing boltIron1Iron ring boltPoor80 w 20cm dia s535580.23250146.76 5535590.04561Ship structure FasteningsNailCopper v1Round headed copper nail with square sectioned shank - sheathing nailGood40 long - head 9 dia260146.76 5535580.23562UnassignedObjectWood1Timber fragmentPoor550x110260146.86 2535583.29563ContainerLid?Copper1Domed, circular copper sectioned shank - sheathing nailPoor50x110260146.86 250512	554	Container		Vessel	Glass	1	Fragment of vessel glass	Fair	38x35x2thivk	260162.71
555UnassignedSheet leadLead1Lead sheathing with nail holes along one edgePoor200x70x2260161.36 5535584.41556Armour and weaponsMusketMusketCopper alloy1Musket rigger guardGood155x50260162.53 5535584.46557UnassignedObjectCopper alloy1curved copper stripFair155x12x1260162.44 5535584.51558Architecture fragmentArchitectural glassWindow glassGlass1Fragment of window glassFair61x42x54260161.97 5535585.36559Architecture fragmentArchitectural glassWindow glassGlass1Fragment of window glassFair80x40260145.81 5535580.23560Ship fittings UnassignedUnassignedRing boltIron1Iron ring boltPoor80 w 20cm dia s535580.23260146.76 5535580.23561Ship structure FaisFasteningsNailCopper wood1Timber fragment sectioned shank - sheathing nailGood40 long - head 9 s535580.23260146.86 5535580.23563ContainerLid?Copper1Domed, circular copperFair40260146.86 5535583.29										5535582.45
556Armour and weaponsMusketCopper alloy1Musket trigger guard Musket trigger guardGood155x50260162.53557UnassignedObjectCopper fragment1curved copper strip glassFair155x12x1260162.44 5535584.46558Architecturel fragmentWindow glassGlass1Fragment of window glassFair61x42x54260161.97 5535583.36559Architecturel fragmentWindow glassGlass1Fragment of window glassFair80x40260145.81 553558.36560Ship fittingsUnassigned NailRing boltIron1Iron ring boltPoor80 w 20cm dia 40 long - head 9 dia260148.77 5535580.23561Ship structure VansignedFasteningsNailCopper vansi1Round headed copper sectioned shank - sheathing nailGood40 long - head 9 dia260148.77 5535580.23562UnassignedObjectWood1Timber fragment sheathing nailPoor550x110260146.86 5535583.29563ContainerLid?Copper1Domed, circular copper stating nailFair40260145.89	555	Unassigned		Sheet lead	Lead	1	Lead sheathing with nail	Poor	200x70x2	260161.36
556Armour and weaponsMusketMusketCopper alloy1Musket trigger guardGood155x50260162.43557UnassignedObjectObjectCopper1curved copper stripFair155x12x1260162.44558ArchitectureArchitectural fragmentWindow glassGlass1Fragment of window glassFair61x42x54260161.97559ArchitectureArchitectural fragmentWindow glassGlass1Fragment of window glassFair80x40260145.81550Ship fittingsUnassignedRing boltIron1Iron ring boltPoor80 w 20cm dia s535580.23260148.77561Ship structureFasteningsNailCopper1Round headed copper nail with square sectioned shank - sheathing nailGood40 long - head 9 dia260148.77563ContainerLid?Copper1Domed, circular copperFair40260146.86					-		holes along one edge			5535584.41
weapons <t< td=""><td>556</td><td>Armour and</td><td>Musket</td><td>Musket</td><td>Copper</td><td>1</td><td>Musket trigger guard</td><td>Good</td><td>155x50</td><td>260162.53</td></t<>	556	Armour and	Musket	Musket	Copper	1	Musket trigger guard	Good	155x50	260162.53
557UnassignedObjectCopper1curved copper stripFair155x12x1260162.44 5535584.51558ArchitectureArchitectural fragmentWindow glassGlass1Fragment of window glassFair61x42x54260161.97 5535585.36559ArchitectureArchitectural fragmentWindow glassGlass1Fragment of window glassFair80x40260145.81 5535589.82560Ship fittingsUnassigned FairRing boltIron1Iron ring boltPoor80 w 20cm dia s535590.04260148.77 5535590.04561Ship structure FairFasteningsNailCopper1Round headed copper nail with square sectioned shank - sheathing nailGood40 long - head 9 dia260146.86 5535580.23562UnassignedObjectWood1Timber fragmentPoor550x110260146.86 5535583.29563ContainerLid?Copper1Domed, circular copperFair40260145.99		weapons			alloy					5535584.46
558Architecture fragment glassArchitectural glassWindow glassGlass1Fragment of window glassFair61x42x54260161.97559Architecture fragment glassArchitectural fragment glassWindow glassGlass1Fragment of window glassFair80x40260145.81560Ship fittings solutUnassigned ragmentRing bolt solutIron1Iron ring boltPoor80 w 20cm dia solut260146.76561Ship structure solutFasteningsNailCopper solut1Round headed copper nail with square sectioned shank - sheathing nailGood40 long - head 9 dia260146.86 5535580.23563ContainerLid?Copper1Domed, circular copper to perFair40260145.81 553580.23	557	Unassigned		Object	Copper	1	curved copper strip	Fair	155x12x1	260162.44
558ArchitectureArchitectural fragmentWindow glassGlass1Fragment of window glassFair61x42x54260161.97 5535585.36559Architecture fragmentArchitectural glassWindow glassGlass1Fragment of window glassFair61x42x54260145.81 5535589.82560Ship fittings UnassignedUnassigned FasteningsRing boltIron1Iron ring bolt nail with square sectioned shank - sheathing nailPoor80 w 20cm dia 5535580.23260146.76 5535580.04561Ship structure FasteningsFastenings DigectNailCopper Wood1Round headed copper nail with square sectioned shank - sheathing nailGood40 long - head 9 dia260146.76 5535580.23562UnassignedObjectWood1Timber fragmentPoor550x110260146.86 5535583.29563ContainerLid?Copper1Domed, circular copper FairFair40260145.99					-					5535584.51
Image: Second	558	Architecture	Architectural	Window	Glass	1	Fragment of window	Fair	61x42x54	260161.97
559Architecture fragmentArchitectural glassWindow glassGlass1Fragment of window glassFair80x40260145.81 533589.82560Ship fittingsUnassignedRing boltIron1Iron ring boltPoor80 w 20cm dia260146.76 5535590.04561Ship structure ship structureFasteningsNailCopper1Round headed copper nail with square sectioned shank - sheathing nailGood40 long - head 9 dia260148.77 5535580.23562UnassignedObjectWood1Timber fragmentPoor550x110260146.86 5335580.23563ContainerLid?Copper1Domed, circular copperFair40260145.99		A 1 ''	fragment	glass		_	glass	_ ·	00.40	5535585.36
FragmentglassGlass<	559	Architecture	Architectural	Window	Glass	1	Fragment of window	Fair	80x40	260145.81
560Ship fittingsUnassignedRing boitIron1Iron ring boitPoor80 w 20cm dia260146.76561Ship structureFasteningsNailCopper1Round headed copper nail with square sectioned shank - sheathing nailGood40 long - head 9 dia260148.77 5535580.23562UnassignedObjectWood1Timber fragmentPoor550x110260146.86 5535583.29563ContainerLid?Copper1Domed, circular copperFair40260145.99	560	Chin Chinese	fragment	glass	Turne	-	glass	Deser	00 20	5535589.82
561Ship structureFasteningsNailCopper1Round headed copper nail with square sectioned shank - sheathing nailGood40 long - head 9 dia260148.77 5535580.23562UnassignedObjectWood1Timber fragmentPoor550x110260146.86 5535583.29563ContainerLid?Copper1Domed, circular copperFair40260145.99	560	Ship fittings	Unassigned	Ring bolt	Iron	1	Iron ring bolt	Poor	80 w 20cm dia	260146.76
561   Ship structure   Fastenings   Nail   Copper   1   Round headed copper nail with square sectioned shank - sheathing nail   Good   40 long - head 9 dia   260148.77 dia     562   Unassigned   Object   Wood   1   Timber fragment   Poor   550x110   260146.86 5535583.29     563   Container   Lid?   Copper   1   Domed, circular copper   Fair   40   260145.99	<b>FC1</b>	China atomations	E a at a star a s	NI - 11	<u></u>	-	Designed to a set of a second set	Coord		5535590.04
562   Unassigned   Object   Wood   1   Timber fragment   Poor   550x110   260146.86     563   Container   Lid?   Copper   1   Domed, circular copper   Fair   40   260145.99	561	Ship structure	Fastenings	Nall	Copper	L	Round headed copper	Good	40 long - nead 9	
Sectioned shark - sheathing nail Sectioned shark - sheathing nail Sectioned shark - sheathing nail   562 Unassigned Object Wood 1 Timber fragment Poor 550x110 260146.86 5535583.29   563 Container Lid? Copper 1 Domed, circular copper Fair 40 260145.99							nall with square		ula	5535580.23
562 Unassigned Object Wood 1 Timber fragment Poor 550x110 260146.86   563 Container Lid? Copper 1 Domed, circular copper Fair 40 260145.99							sectioned shark -			
502     onassigned     object     wood     1     ninber nagment     roon     550x110     260146.86     5535583.29     563     Container     Lid?     Copper     1     Domed, circular copper     Fair     40     260145.99	562	Unaccigned		Object	Wood	1	Timbor fragmont	Poor	550v110	260146.86
563 Container Lid? Copper 1 Domed, circular copper Fair 40 260145.99	502	Unassigned		Object	wood	L T		FUUI	JJ0XII0	5535583 20
JUJ   CUITAILEI   LIU:   CUITEI   I   DUIILEU, CIICUIAI CUPPEI   FAII   40   200143.39	563	Containor		Lid2	Connor	1	Domed circular conner	Fair	40	2601/15 00
	202	Container			Cohhei	1	lid?	1 011		5535587 10

ID No	O Class	О Туре	O Name	Material	Nos	Description	Condition	Dim (mm)	Position
564	Ship fittings	Rigging fittings	Double block	Wood	1	Two wood sheaves and the remains of timber block. Sheaves have circular copper alloy bearings	Fair	180 dia	260147.61 5535587.25
565	Ship structure	Fastenings	Nail	Copper	1	Copper sheathing nail	Good	40	260146.39 5535589.13
566	Unassigned		Object	Iron	1	Iron Concretion	Poor	350x230	260145.61 5535582.71
567	Unassigned		Object	Iron	1	Hollow iron concretion - possibly tube or pipe	Very bad	280x50	260145.36 5535583.12
568	Unassigned		Object	Iron	1	Iron Concretion	Poor	130x140	260145.89 5535583.80
569	Unassigned		Object	Iron	1	Iron Concretion	Very bad	290x140	260145.02 5535583.80
570	Unassigned		Object	Iron	1	Iron Concretion	Poor	270x230	260145.68 5535584.61
571	Dress and personal accessories	Pipe (smoking)	Tobacco pipe	Ceramic	1	Fragment of clay pipe stem	Fair	30x5dia	260144.83 5535585.86
572	Unassigned		Object	Iron	1	Iron Concretion	Poor	320x180	260145.81 5535586.21
573	Ship structure	Fastenings	Clenched Bolt	Copper	1	Very eroded copper bolt, clenched at one and the other end pointed	Poor	190x30	260144.19 5535585.90
574	Ship structure	Fastenings	Clenched Bolt	Copper	1	Copper bolt with one end clenched and the other end chisel tapered	Good	310x20	260144.38 5535586.52
575	Ship structure	Fastenings	Nail	Copper	1	Copper sheathing nail, round head with square sectioned shank	Fair	40	260144.19 5535586.47
576	Ship structure	Fastenings	Nail	Copper	1	Copper sheathing nail, round head with square sectioned shank	Good	40	260144.18 5535587.75
577	Unassigned		Sheet lead	Lead	1	Sheet lead, two nail holes	Poor	110x68x2	260165.95 5535583.36
578	Unassigned		Sheet lead	Lead	1	Lead sheathing with nail holes along the edges	Fair	210x30x2	260165.69 5535587.81

ID No	O Class	О Туре	O Name	Material	Nos	Description	Condition	Dim (mm)	Position
579	Ship structure	Fastenings	Clenched	Copper	1	Copper bolt, clenched at	Fair	450x20	260163.74
			Bolt			one end			5535591.57
580	Architecture	Architectural	Window	Glass	1	Fragment of window	Fair	130x35x5	260160.33
		fragment	glass			glass, pale green			5535586.85
581	Architecture	Architectural	Window	Glass	1	Fragment of window	Fair	110x70x5	260161.47
		fragment	glass			glass, pale green			5535588.12
582	Ship fittings	Rigging	Sheave	Composite	1	Wooden sheave with	Poor	280x75	260162.37
		fittings				attached iron concretion			5535584.94
583	Armour and	Firearm	Butt Plate	Copper	1	Musket butt plate	Good	125x15x5	260160.32
	weapons			alloy					5535586.84
584	Container	Food serving	Plate	Ceramic	1	White glazed pottery	Fair	36x20x10	260161.46
		container				fragment - part of a			5525588.12
						plate			
585	Architecture	Architectural	Window	Glass	1	Very pale green frag of	Fair	142x80x5	260161.70
		fragment	glass			window glass			5535588.48
586	Ship fittings	Rigging	Sheave	Wood	1	Sheave	Fair	160 dia	260159.75
		fittings							5535593.27
587	Ship structure	Fastenings	Clenched	Copper	1	Clenched bolt	Fair	910x35 dia	260159.56
			Bolt						5535593.54
588	Armour and	Ammunition	Shot	Iron	1	Concreted solid round	Poor	90dia	260144.79
	weapons					shot			5535581.59
589	Ship structure	Fastenings	Clenched	Copper	1	Copper bolt, slightly bent	Fair	320x20	260143.58
			Bolt			into an 'S' shape.			5535585.21
						Clenched at one end			
590	Ship structure	Fastenings	Clenched	Composite	1	Clenched bolt with	Fair	430x40x20	260142.20
			Bolt	-	<u>.</u>	attached timber.			5535585.72
591	Ship structure	Fastenings	Nail	Copper	1	Round headed copper	Good	40	260143.33
						nail with square			5535588.03
						sectioned shank -			
500		<b>-</b>	NL 11	<u> </u>	-	sheathing nail		10	26014246
592	Ship structure	Fastenings	Nail	Copper	1	Round headed copper	Good	40	260143.16
						nall with square			5535587.99
						sectioned shank -			
502	Chip structure	Factonings	Nail	Coppor	1		Cood	40	260142 29
393	Ship structure	rastenings	INdii	Copper	1	Round neaded copper	9000	40	200142.30
						nan with Square			2222201.01
						sectioned Sildfik -			
1	1		1		1	Sheathing hall	1		

ID No	O Class	О Туре	O Name	Material	Nos	Description	Condition	Dim (mm)	Position
594	Ship structure	Fastenings	Nail	Copper	2	Round headed copper nail with square sectioned shank - sheathing nail	Fair	40	260142.04 5535583.35
595	Ship structure	Fastenings	Nail	Copper	3	Round headed copper nail with square sectioned shank - sheathing nail	Good	40	260142.02 5535588.76
596	Ship structure	Fastenings	Nail	Copper	2	Round headed copper nail with square sectioned shank - sheathing nail	Good	40	260142.49 5535589.07
597	Ship structure	Fastenings	Nail	Copper	1	Round headed copper nail with square sectioned shank - sheathing nail	Fair	40	260141.40 5535589.23
598	Ship structure	Fastenings	Nail	Copper	1	Round headed copper nail with square sectioned shank - sheathing nail	Good	40	260142.54 5535591.31
599	Ship structure	Fastenings	Nail	Copper	1	Round headed copper nail with square sectioned shank - sheathing nail	Good	40	260142.21 5535590.24
600	Ship structure	Fastenings	Nail	Copper	1	Round headed copper nail with square sectioned shank - sheathing nail	Good	40	260140.99 5535592.01
601	Ship fittings		Scupper pipe	Lead	1	Lead pipe with flange at each end	Fair	260x50x70	260140.08 55335579.79
602	Ship structure	Fastenings	Nail	Copper	11	Copper nails	Fair	40	260143.79 5535588.47
603	Unassigned		Object	Iron	1	Iron Concretion	Poor	370x110	260144.81 5535588.81
604	Ship structure	Fastenings	Nail	Copper	2	Copper nails	Good	40	260145.09 5535588.43
605	Ship structure	Fastenings	Nail	Copper	4	Copper nails	Good	40	260143.98 5535589.34

ID No	O Class	О Туре	O Name	Material	Nos	Description	Condition	Dim (mm)	Position
606	Ship structure	Fastenings	Nail	Copper	1	Copper nail	Fair	40	260144.16 5535591.16
607	Unassigned		Object	Iron	1	Iron Concretion	Uncertain	110x80	260138.48 5535579.23
608	Unassigned		Object	Iron	1	Iron Concretion	Very bad	260x210x60	260137.79 5535580.58
609	Ship structure	Fastenings	Nail	Copper	3	Copper nails	Good	40	260137.79 5535580.58
610	Ship structure	Fastenings	Nail	Copper	4	Copper nails	Fair	40	260139.08 5535580.07
611	Ship structure	Fastenings	Nail	Copper	1	Copper nail	Good	40	260137.48 5535585.87
612	Unassigned		Object	Composite	1	Iron concretion with copper alloy incorporated	Poor	160x14	260137.56 5535586.44
613	Armour and weapons	Musket	Flintlock musket	Composite	1	Flintlock musket - heavily concreted. Wood, iron and copper alloy	Fair	840x130	260171.79 5535583.20
614	Ship structure		Timber	Wood	1	Plank showing signs of moderate to heavy gribble attack.	Poor	2400x260x100	260168.19 5535584.56
615	Ship fittings	Unassigned	Ring bolt	Iron	1	Heavily concreted iron ring and attachment	Poor	400x350x30	260169.65 5535583.75
616	Armour and weapons	Musket	Flintlock musket	Iron	1	Flintlock musket - heavily concreted. Wood, iron and copper alloy	Poor	1370x150x80	260168.97 5535583.35
617	Unassigned		Sheet lead	Lead	1	Bent lead sheet with some nail holes	Fair	550x350	260141.24 5535586.43
618	Ship structure	Fastenings	Nail	Copper	6	Copper sheathing nails	Good	40	260140.36 5535586.74
619	Ship fittings	Rigging fittings	Sheave bearing	Copper alloy	1	Two halves of a copper alloy bearing from a block sheave. One half circular the other four lobed	Good	87x80x12	260139.99 5535587.27
620	Ship structure	Fastenings	Nail	Copper	4	Copper sheathing nails - round head with square sectioned shank	Fair	40	260141.28 5535588.49

ID No	O Class	О Туре	O Name	Material	Nos	Description	Condition	Dim (mm)	Position
621	Armour and weapons	Musket	Flintlock musket	Composite	1	Flintlock musket - heavily concreted. Wood, iron and copper alloy	Poor	1220x100	260168.13 5535585.67
622	Armour and weapons	Musket	Flintlock musket	Composite	1	Flintlock musket (top up) - heavily concreted. Wood, iron and copper alloy	Poor	1124x80	260166.57 5535583.60
623	Furnishings and furniture	Furniture fitting	Handle	Copper alloy	1	Crescent shaped round sectioned handle - probably from a small item of furniture or sea chest	Fair	80x40	260166.44 5535581.70
624	Unassigned		Object	Copper alloy	1	Concave disc with square hole - possibly a rove?	Fair	250dia	260162.84 5535521.27
625	Unassigned		Sheet lead	Lead	1	Crumpled lead sheet	Poor	70x40 x3	260161.94 5535579.87
626	Container		Vessel	Glass	1	Small fragment of vessel glass - very pale blue/green	Fair	40x25	260160.81 5535579.89
627	Ship fittings		Scupper pipe	Lead	1	Part of lead scupper pipe - flanged at one end (D shaped flange)	Fair	500x80x80	260134.35 5535584.37
628	Ship fittings	Rigging fittings	Chain plate	Iron	1	Iron Chain plate - aperture for deadeyes visible - probably from main chains	Poor	1100x280x180	260132.73 5535583.46
629	Ship structure	Fastenings	Clenched Bolt	Copper	1	Clenched copper bolt, clenched at both ends - one end has a copper alloy rove still in place	Good	850x70x40	260139.02 5535582.76
630	Ship structure	Fastenings	Clenched Bolt	Composite	1	Copper clenched bolt with wood attached	Fair	360 long w 23x24x10 wood lump	260139.73 5535583.20
631	Ship structure	Fastenings	Clenched Bolt	Copper	1	Copper clench bolt - heavily eroded to a needle point at one end	Poor	580	260139.48 5535583.35
632	Ship structure	Fastenings	Clenched Bolt	Copper	1	Copper clench bolt	Good	340	260139.54 5535581.74

ID No	O Class	О Туре	O Name	Material	Nos	Description	Condition	Dim (mm)	Position
633	Ship structure	Fastenings	Clenched	Copper	1	Copper clench bolt	Fair	670	260138.93
			Bolt						5535584.04
634	Ship fittings	Rigging	Sheave	Composite	1	Sheave with three	Fair	190 dia, 30 wide	260138.68
		fittings				lobbed copper alloy			5535584.20
						bearing			
635	Ship structure	Fastenings	Nail	Copper	3	Copper nails	Good	40	260140.03
									5535584.70
636	Ship structure	Fastenings	Nail	Copper	2	Copper nails	Good	40	260138.20
									5535587.37
637	Ship structure	Hull	Metal hull	Composite	1	Copper sheathing,	Poor	170 x 100 x 70	260157.27
			sheathing			timber and iron			5535578.53
						concretion			