

ANCODS 2002

Report on the Dutch shipwreck collections

Myra Stanbury

Special Publication—Department of Maritime Archaeology, Western Australian Maritime Museum, No. 8



Contents

Contents				i
List of T	ables		i	i
Introduc	tion .			l
Collectio	ns ma	nagement		l
	Curr	ent status		l
	Signa	ficant additions to the collection		1
	Data	bases		1
	A	RTEFACT DATABASE		1
	N	UMISMATIC DATABASE		2
	Cons	ervation and Restoration		2
		ISINTEGRATING CANNON BALLS. JON CARPENTER		
		TATUS REPORT: WATERLOGGED IVORY FROM DUTCH SHIPWRECKS. DR IAN GODFREY		
		EWTER OBJECTS		
		ODS allocations		
Knowled		neration		
		via skeletal research		
		EPLICATION OF SKELETAL MATERIAL		
		RANIO-FACIAL RECONSTRUCTION		
		ECENT ARCHAEOLOGICAL WORK AT BEACON ISLAND		
		HE PROJECT TO DATE		
		on Island land sites and the victims of the Batavia		
		via faunal analysis		
		via lace		
		via trumpet		
		via portico		
		rijk (1727)		
I oans an		ibitions		
LUaiis aii		Batavia Project in Lelystad (Resolution 91.5)		
		erdam University Exhibition April 1995ldton Museum		
	Most	wrecks Gallery—Western Australian Museum Geraldton))
		ern Australian Maritime Museum Shipwrecks Galleries		
		Western Australian Maritime Museum		
C		rrenaissance-Museum Schloss Brake, Germany		
		h Historic Shipwrecks Amnesty 1993–94		
Site Man	_	ent		
01.4		ning of Inspectors		
Obituary	—Sta	n Wilson, AM MPS PhC JP	1.	1
		ciated publications relating to the Dutch shipwrecks—1991–2002		
Appendi				
	A.	Material registered since 1991: Batavia, Vergulde Draeck, Zuytdorp and Zeewijk		
	B.	Dutch skeletal material excavated from 1960 to 1994 (BAT series)	19	J
	C.	Batavia skeletal material excavated from the Beacon Island mass grave		_
	_	1999–2001 (BILS series)	21	L
	D.	Bones associated with various individuals from the mass grave		_
	_	(SK5, SK6, SK7, SK8, SK9, SK10, SK11 and SK12)		
	Ε.	Previously allocated Zuytdorp coins	25	ó

List of Tables

Table 1. Artefact statistics	1
Table 2. Coin statistics	2
Table 3. Human skeletal material from the <i>Batavia</i> recovered as at 2002	5
Table 4. Forensic analysis of Batavia victim trauma by Dr Alanah Buck, QEII PathCentre, Perth	6
Table 5. Dutch artefacts submitted for registration during the Commonwealth Historic Shipwrecks Amnesty 1993–94 (not	
including coins). The figures are as at 1996	. 10

Introduction

This report gives a brief overview of the current status of the Dutch shipwreck collections—*Batavia* 1629, *Vergulde Draeck* 1656, *Zuytdorp* 1712 and *Zeewijk* 1727. It also includes brief summaries of research that has been undertaken and/or is on-going, and details of exhibition programmes involving the Dutch shipwreck material.

Collections management

Current status

The Department of Maritime Archaeology manages its Dutch shipwreck collections in accordance with the Commonwealth Historic Shipwrecks Act 1976 and the ANCODS Agreement which comprises Schedule 1 of the Act. Both manual and computer databases/registers are maintained for the artefact and the numismatic collections. With the exception of some material recovered from land sites associated with the Batavia wreck in the 1960s and 1970s (i.e. from Beacon Island, West Wallabi, Long Island etc.), both the artefact and numismatic databases are up-to-date. The faunal material recovered during the 1960/70s Batavia land excavations is currently in the process of being re-catalogued following its identification and analysis by Honours student Ben Marwick (see Marwick, 1999); so too, the Zeewijk faunal material, following research by Sophia Boranga (see Boranga, 2000).

Significant additions to the collection

- Cutlass (BAT 80308) recovered from Beacon Island. Amnesty donation.
- Collection of artefacts associated with Batavia survivors' camp site on West Wallabi Island. Recovered by Aquinas College in the 1960s. Donor: Aquinas College, Perth.
- Three Batavia coins recovered by the Federal Police.
- Various objects donated during the Amnesty period 1993–94.

- *Zuytdorp* model built by C. de Heer *c*. 1973–74, was purchased for the maritime archaeology collection from Mrs Petronella Muntz.
- A bronze sword buckle (ZW 5636) and a small, engraved glass tumbler (ZW 5637) recovered by Lieut. (later Captain) John Lort Stokes of HMS *Beagle* from Gun Island were returned to WA under Deed of Gift from the Nicholson Museum, Sydney University. Stokes had given the objects to Major Christie who then donated them to the Nicholson Museum. They are the only *Zeewijk* objects recovered by Stokes known to exist in Australia. (The gun after which Gun Island was named is in the Tower of London.) The objects with their original labels are displayed at the new Geraldon Museum.

Databases

ARTEFACT DATABASE

The figures in Table 1 give an indication of the number of records currently held on the artefact databases. Many of the records refer to multiple units (i.e. more than one object per registration number) and does not, therefore, give a true representation of the actual number of objects in the collection. The records also include material that has previously been allocated to the Commonwealth and the Netherlands at previous meetings. Apart from material that has been raised post-1991 in the course of Museum excavations (i.e. *Batavia* and *Zuytdorp* related), a significant number of the new acquisitions resulted as anonymous and/or other donations associated with the 1993–94 Commonwealth Historic Shipwrecks Amnesty. (See later discussion of significant acquisitions.)

The nmber of objects currently on display at public venues is also indicated in Table 1 as a measure of public accessibility to the collections. These include venues associated with the Western Australian Museum (WAMM)—the new Western Australian Maritime Museum, the WAMM Shipwrecks Gaa, eries (Commissariat

SHIPWRECK	TOTAL NO. OF RECORDS	RECORDS ADDED SINCE 1991	OBJECTS ON PUBLIC DISPLAY	OBJECTS IN CONSERVATION
Batavia (General)	6 817	488 (7.16%) [Includes 16 coin records]	822	696
Batavia (BILS)	1 052	1 052		
Vergulde Draeck	2 157	92 (4.26%)	411	106
Zuytdorp	1 302	152 (11.67%) [Includes 13 coin records]	177	114
Zeewijk	4 190	57 (1.36%)	394	25

Table 1. Artefact statistics.

SHIPWRECK	Total No. of Records	TOTAL NO. OF COINS	Ancor	os Allocation	Storage
Batavia	2 925	Not calculated	CMW NL WA	800 (16.747 kg) 800 16.66 kg 800	ANMM (96) MAD-SR (704) MAD-SR (800)
Vergulde Draeck	1 126	Not calculated	CMW NL WA	800 (11.3 kg) 800 (11.63 kg) 800	MAD-SR NL (sent 1983)
Zuytdorp	1 556	20,094 (Total wt = 67.740 kg)	CMW NL WA	1000 (3.530 kg) 1000 (3.43 kg) 1000 (3.9 kg)	MAD-SR (1000) MAD-SR (1000)
Zeewijk	20	20 (Copper x 12 = 33.10 g) Silver x 8 = 39.37 g)			

Table 2. Coin statistics.

Building, the Western Australian Museum Geraldton—loans to interstate museums and other organizations. A number of objects are still in the process of conservation, and others require reassessment (see later discussion on Conservation issues).

The Commonwealth Historic Shipwrecks Programme has provided funding since 1991 for the part-time employment of firstly, Ms Jenni Potts; secondly, Ms Nikki Sinclair; and, currently Ms Richenda Prall to assist in the maintenance of the artefact database, and more recently the numismatic database. This assistance is gratefully acknowledged.

The artefact database is accessible through the Western Australian Maritime Museum website: www.mm.wa.gov.au. A working group has been established by Environment Australia to develop a national shipwreck artefact database.

NUMISMATIC DATABASE

With the assistance of work experience employee, Martin Van Luyn, office of Southern Rehabilitation, and CentreLink volunteer, Mr Eric Car, the numismatic collection is now registered in electronic format (FileMaker Pro being the database application in use). Professor Walter Bloom (Murdoch University) was appointed as an Honorary Research Associate in 1998 to continue the work previously undertaken by Stan Wilson (see Obituary later in this report). The database is in the process of being reformatted prior to making it accessible on the Western Australian Maritime Museum website. The status of the numismatic collection is given in Table 2.

Conservation and Restoration

DISINTEGRATING CANNON BALLS

In the Department of Materials Conservation cast iron cannon balls recovered from shipwrecks are treated by hydrogen reduction and soaked in a 2% solution of caustic soda to remove salts. After salts have been removed the cannon balls are dried, coated with a rust inhibitor and consolidated with wax. Depending on their diameter it is usual for a batch of twenty to thirty cannon balls to be treated at any one time. The treatment process is the same for all cannon balls in the museum collection. Occasionally a cannon ball or two will disintegrate during the hydrogen reduction process or during the soaking procedure. In comparison with the number of successfully treated balls the number of disintegrated balls has been very low. The later disintegration of a few cannon balls, which appeared to have been treated successfully, may be a delayed occurrence of the phenomenon which occurs during treatment. An alternate reason for delayed disintegration may be due to the presence of residual salt and consequent corrosion activity. Salt release from iron objects is determined by analysis of the soaking solution. It is not practical, desirable or ethical to drill a sample from every ball to reaffirm adequate salt release following the washing procedure. This is commonly done with individual large objects such as cast iron cannon where the drill hole can be located in a discrete place and subsequently disguised. If salts remain trapped in casting defects such as small cavities or porous areas of a cannon ball its presence can result in renewed corrosion activity

after treatment. The phenomenon of disintegrating cannon balls is not restricted to the WA Maritime Museum. Around the world other institutions have experienced similar occurences (Wendyvan Duivenvoorde, 2002, pers, comm., 10 May). It is a process that requires investigation to determine the cause and find a remedy.

From: "Wendy van Duivenvoorde" <wvd@tamu.edu>

To: <Undisclosed-Recipient:@switch.tamu.edu;>

Subject: Fw: Occupational hazard!! Date: Fri, 10 May 2002 00:21:46 -0400

X-MSMail-Priority: Normal

X-Mailer: Microsoft Outlook Express 5.00.2615.200

X-MimeOLE: Produced By Microsoft MimeOLE

V5.00.2615.200

Ancient Cannon balls Come to Life with a Bang

Thursday, May 9, 2002

LONDON (Reuters) - Cannon balls retrieved from ancient shipwrecks are wreaking thunderous havoc centuries later —by exploding on the desks of archaeologists, New Scientist magazine said Wednesday. Robert Child, of the National Museums and Galleries of Wales in Cardiff told the magazine that he had recorded several instances where the old rusted balls of metal started to heat up and turn red, or explode after being exposed to oxygen.

In one case, a ball retrieved from a 1691 wreck heated up to a few hundred degrees after several minutes in the open air, began to glow a dull red and started burning its way through the pine table. "There was smoke coming off the bench," he told the magazine. Child said in several cases the prized artifacts had split open many weeks after they were pulled from the sea. He said the explosions happened because the balls had developed a lattice-like porous structure over hundreds of years that reacted with oxygen to produce massive amounts of heat. The combination of oxygen and sea salt caused rapid oxidation resulting in the balls "exploding" open and crumbling into bits.

Jon Carpenter

Department of Materials Conservation Western Australian Museum November 2002

STATUS REPORT: WATERLOGGED IVORY FROM DUTCH SHIPWRECKS

Samples of tusk material from the *Vergulde Draeck* have been analysed using a variety of techniques including chemical analysis (via inductively coupled plasma atomic emission spectrometry), automated powder x-ray diffraction, Fourier transform infrared spectroscopy and nuclear magnetic resonance spectroscopy. The aims of these analyses were to gain an insight into the extent and the nature of the degradation that had occurred during immersion in a marine environment. This work has been published recently (Godfrey, *et al.*, 'The analysis of ivory

from a marine environment', 2002, *Studies in Conservation*, 47: 29-45).

Following this work a research program was instituted to determine which, if any, conservation treatments were appropriate for ivory of differing degrees of deterioration. Subsequently, waterlogged ivory was treated with a series of different consolidants including Rhoplex AC-235, Primal MV-23, gelatin and in-situ silicone polymerisation processes (plastination and silicone oils treatments). Traditional consolidants were ineffective, with treated samples showing evidence of splitting and delamination. Both plastination and the silicone oils approaches were able to successfully consolidate ivory that ranged in condition from lightly to highly degraded. While it is acknowledged that these approaches show considerable promise further research is needed to determine the extent of impregnation and the long term stability of the treated materials. A paper describing the impregnation experiments is currently being drafted.

> Dr Ian Godfrey Department of Materials Conservation Western Australian Museum November 2002

PEWTER OBJECTS

A number of pewter objects appear to have undergone some deterioration since treatment in the 1970s. These are currently being stored in a sealed perspex container which is regularly flushed with Argon gas to maintain an inert environment. The matter is under investigation.

Ancods allocations

The balance of the Netherlands allocation and the principal Commonwealth allocation is still stored at the WAM Department of Maritime Archaeology. The following items from the Commonwealth collection were transferred to the Australian National Maritime Museum in October 1991:

Reg. No.	No of items
Description	
BAT 381	1
Sounding lead	
BAT 408	1
Blunderbuss	
BAT 3306	1
Powder measure	
BAT 2319	1
Apothecary jar	
BAT 3442	20
Musket balls	
BAT 8015	1
Cannon ball	
BAT 8272	1
Cannon ball	
BAT 15508A	1
Post-cranial human skeleton	

GT 1101	1
Rat skull	
GT 1393	1
Elephant tusk	
GT 1028 MN-PQR-TUVWX	10
Clay pipes	

Additional material was transferred in September 1999 for the VOC exhibition:

Reg. No.	No of items
Description	
GT 825	1
Rheinish beardman jug	
GT 833	1
Rheinish beardman jug	
BAT 38741	1
Gilded silver cherub.	

Knowledge Generation

Batavia skeletal research

The mutiny and subsequent massacre of survivors of the United Dutch East India Company ship *Batavia*, wrecked on Morning Reef in the Wallabi Group of the Houtman Abrolhos in June 1629 has long been recognised as one of the most notorious and fascinating incidents in maritime history. Popular accounts of the disaster and fate of the 230 men, women and children who were stranded on a group of small, waterless, coral islands while the ship's Commander, Francisco Pelsaert, accompanied by senior ranking officers, some crew and passengers, ostensibly sailed away in search of water, were being published as early as 1647 (Jansz, 1647). Versions of the story appeared in Dutch, English and French texts.

In modern times, interest was renewed by fictionalised versions of the wreck saga by historian Henrietta Drake-Brockman (1957) and her subsequent publication of an English translation of Pelsaert's Journal, including the confessions of the mutineers (Drake-Brockman, 1963). Human skeletal material and dateable artefacts were located on Beacon Island in 1960 (Halls, 1964) but attracted little publicity until 1963 when the location of the Batavia wreck site was discovered. Subsequently, both the island and the underwater site became subject to extensive disturbance by amateur investigators and 'treasure' hunters (Edwards, 1966; Tyler, 1970; Stanbury, 1998). While the wreck became the focus of intensive professional maritime archaeological investigation (Green, 1989), the land sites experienced limited historical or archaeological study.

Over the past 8–10 years, the Department of Maritime Archaeology has consistently sought funding to undertake such research. Applications have been made for National

Estate and ARC funding, with no success. Small amounts of money have been made available through the Commonwealth Historic Shipwrecks Grant, but this too has been insufficient to launch the type of thorough investigations required.

In the meantime, however, assistance from university students, professional forensic and other volunteer expertise has facilitated an on-going programme of research associated with the land archaeological collection, in particular the human skeletal material.

A mutual interest on the part of staff of the forensic department of the Queen Elizabeth II PathCentre, Perth, and Museum personnel has led to a number of developments of benefit to both institutions. These relate to:

- (a) replication techniques for skeletal material; and
- (b) methods of cranio-facial reconstruction.

REPLICATION OF SKELETAL MATERIAL

For some time, in archaeological, anthropological and museological circles, there have been world-wide, ethical debates concerning the repatriation of human skeletal material held in various museum and scientific collections, and the public display of such material. In respect to material deriving from historic shipwrecks, the Commonwealth department responsible for the administration of the Historic Shipwrecks Act 1976 devised a set of draft principles concerning some of the above issues (Department of Communications and the Arts [DCA], 1997). The possibility of these being ratified, made it necessary to investigate methods whereby accurate replicas could be made so that they could (a) effectively replace original material on display should the need arise; and (b) be of sufficient accuracy that they could be used with validity for research purposes should the original material have to be repatriated and/or re-interred at any time in the future.

Communication with personnel at the PathCentre revealed a similar need, albeit with different objectives. Here, there was a requirement for replicas which could (a) be used for teaching purposes; (b) for forensic records and analysis; and (c) for legal exhibits, for example in homicide cases. In the latter case, the replicas would need to stand up to legal scrutiny in terms of accuracy otherwise they would be inadmissable as legal evidence.

With a small amount of funding made available by the PathCentre, Drs Stephen Knott (Forensic Dentist) and Alanah Buck (Forensic Anthropologist) undertook an experimental programme of bone replication using a variety of replication materials and methods to assess ease of manufacture, degree of accuracy and cost effectiveness. The latter was an important aspect for both parties: to minimise the costs for museum replicas; and, to rationalise and gain acceptance for the use of these procedures in legal inquiries.

Many of the stereo-lithography and Computer Tomography (CT) methods of making three-dimensional

	Individual	BODY PARTS	YEAR	Sex	AGE	TRAUMA	PATHOLOGY	POSSIBLE IDENTITY
1	BAT 3901M	Skull & body	1960	F	16–18	Cut marks	5 Harris lines, hypoplasia	Maijken Cardoes, passenger
2.1	BAT 15508A	Body	1963	;	16–18	Musket ball	Light scoliosis	Jan Dircxsz., mutineer
2.2	BAT 15831A	Skull	1963	;	18–23		Hypoplasia, periodontitis	
3	BAT 15507A	Skull & body	1963	M	35–39	Cut mark	15 Harris lines	3
4	BAT 16316A	Skull	1964	M	33–37	Cut marks		Hendrick Denijs, assistant
5	SK7	Skull & body	1999	M	20–25		Periostitis, scoliosis, osteoarthritis	Jacob Hendricxsz., carpenter
6	SK8	Skull & body	1999		12–14			Sick cabin boy
7	SK9	Skull & body	1999	;	5–6			Gilletgien Hardens, girl, aged 6
8	SK10	Body	1999	5	Adult			
9	SK11	Body	1999	?	Adult		Light scoliosis	
10	SK12	Teeth	2001	?	Baby			Baby, c. 9 months
8/9	SK5	Skull	1994	5	40–45			?
8/9	SK6	Skull	1994	M	30–35	Cracked skull and dispositione- d tooth		Passhier van den Enden, gunner

Table 3. Human skeletal material from the *Batavia* recovered as at 2002.

replicas are extremely expensive, making the technique somewhat prohibitive for regular forensic use, and likewise for museum purposes (c.\$1500 per skull). (The technique is generally used for fabricating prostheses for artifical limbs and reconstructive cranio-facial surgery where accuracy is essential.) However, these methods do provide a means whereby the diagnostic features of the skeletal components can be stored on computer, forming a permanent part of the archaeological record for a particular individual(s). The data can be used at any time to view the skull or other bone from any perspective and to make prototype models for casting and facial reconstruction.

CRANIO-FACIAL RECONSTRUCTION.

One of the ultimate objectives of accurate replication of skulls in particular is to effect a cranio-facial reconstruction of the individual. Various techniques for cranio-facial reconstruction have been in use for a number of years, principally employed to assist in criminal investigations where homicide victims cannot be easily identified. One of the early uses for museum purposes was to experimentally determine whether the iconography placed on Egyptian mummies in the British Museum collection represented a likeness of the individual. Later it was recognised as a useful tool for bringing ancient people 'to life'.

After attending an international conference on cranio-facial reconstruction and workshop in Melbourne, in 1997, Dr Stephen Knott, Michael Standish (Dental Technician) and Myra Stanbury discussed the possibilities of developing a technique in Perth which could be used for museum specimens, and for homicide victims (see Stanbury, 1997). One of the objectives was to try to develop a technique which would overcome some of the problems encountered using earlier methods, and again, to achieve a cheaper, though accurate result.

After many months of patient trials, the first result of Dr Knott's experimental work on the *Batavia* skull BAT 16316A, identified as belonging to a male in his mid-

	Individual	YEAR	Sex	AGE	Тгаима
1	BAT 3901M	1960	F	16–18 Sub-adult	 1 Sharp force trauma to the apex of the cranial vault. Situated on the right parietal and across the sagittal suture. Tangential partial thickness injury. Outer table of cortical bone removed. Probably facing away from assailant - due to location on vault consistent w-ith a 'glancing' blow. Weapon - sharpbladed - consistent with either (a) sword/cutlass; or (b) heavier implement.
2	BAT 15507A	1963	M	35–39 Adult	 1 sharp force trauma to the apex of the cranial vault. Situated anterior to the coronal suture. The trauma is best described as an 'incised' wound as it is longer than it is deep. An area of bone from the outer cortical table (semi-lunate in shape) is also missing. This appears to have been caused by the forces radiating out from the impact site, causing a 'percussion flake' of bone to be removed. The torsional forces that would occur when the blade was removed from the wound may also have contributed to this flaking. The angulation and depth of the wound suggest that the victim was either (a) facing the assailant at the time the blow was delivered (right-handed blow); or (b) facing away from the assailant (left-handed blow). The victim was probably standing at the time. Weapon – sharp-bladed instrument, possibly a sword/cutlass.
3	BAT 16316A	1964	M	33–37 Adult	 3 sharp force traumas to the left parietal and occipital regions of the cranium. Wound #1 – situated on the right parietal and occipital regions of the cranium. Wound #2 – situated on the right parietal – antero-superior to the occipital suture. Wound #3 – situated inferior to wound #2 on the occipital. All 3 are 'incised' wounds. Wound #1 – a percussion flake, as described above, is also associated with this impact site. Direction of attack – (a) facing assailant (right-handed) – first blow to the parietal, second and third to the occipital; (b) facing away from assailant (left-handed). Weapon – Due to depth of wounds – sharp-bladed instrument, perhaps heavier than that seen in victim BAT 15507A.

Table 4. Forensic analysis of Batavia victim trauma by Dr Alanah Buck, QEII PathCentre, Perth.

thirties (see Pasveer, et al., 1998: 46), was finally revealed. This clay reconstruction, though awaiting some final touches, was shown in a 'Big Weekend' feature article in *The Western Australian*, in November 1999 (Amalfi, 1999). Although notyet publicised, the reconstruction stimulated the interest of a Dutch family living in Perth by the name of De Vries. The family recognised certain family traits in the appearance of the first *Batavia* victim to be 'brought to life'. Furthermore, a published family history, with genealogy dating back to the early 18th century, and loaned to the Museum for assessment, shows that it could be possible to trace modern ancestors of *Batavia* victims. In this instance, however, there is insufficent evidence at

present to make a definitive connection, but the public response demonstrates the possibilities that may exist, not to mention the general interest that this has generated.

RECENT ARCHAEOLOGICAL WORK AT BEACON ISLAND

In September–October 1999, with the assistance of a \$29 000 Coastcare/Coastwest Grant, the Department of Maritime Archaeology, aided by other local government agencies (Fisheries WA and CALM), community organisations (Maritime Archaeological Association of WA [MAAWA]) and other volunteer assistance, undertook a survey and archaeological excavation of sites associated with the *Batavia* on Beacon Island. While the main

objective was to develop a Management Plan for these cultural heritage sites with the assistance of the community, the results of the archaeological excavation are contributing to current research relating to the unfortunate *Batavia* victims.

The fieldwork included the excavation of a disturbed mass grave of the *Batavia* mutiny victims on Beacon Island (under the archaeological direction of Dutch physical anthropologist Juliette Pasveer), and the mapping and surveying of several islands in the Wallabi Group using non-invasive methods. The results have provided a wealth of information about the mutiny victims and the circumstances of their burial. Application of various techniques such as Ground Penetrating Radar, magnetometer and metal detector were applied in order to detect undisturbed archaeological (grave) sites so that they may be protected against future disturbance.

A previously disturbed and vandalised burial site on Beacon Island was excavated to reveal a mass grave. Through a detailed study of Pelsaert's Journal, various hypotheses present as to who the victims might be—perhaps the Predicant's family, or possibly other persons. Results of the work to date have been published in an Interim Report (see Stanbury, et al., 1999).

The grave contained the remains of five individuals: two children of 5 and 12 years old, and three adults. Also various other artefacts, such as a pewter spoon, eighteen decorated buttons, and remains of fabric, were found in the burial pit. The way they were buried together in a small circular pit strongly suggest that they did not die a natural death.

Subsequent excavation of a remaining consolidated central mass of material (affectionately termed 'the blob') was undertaken in March 2001, with funding assistance from WA film company Prospero Productions. This was conveyed to the Conservation Laboratory at Fremantle where it was excavated by Dr Alistair Patterson and Juliet King of the Centre for Archaeology, University of Western Australia. This was found to contain human skeletal material, remains of a brass thimble and several iron corroded buttons. Samples were taken for radio-carbon analysis.

Field data about the grave site and the skeletons has been introduced into PhotoModeler, a program which produces a computerised three-dimensional reconstruction of the grave. This will provide excellent opportunities not only for research, but also for display purposes. The results of the above-mentioned research will lead to a better understanding of the dreadful events on the Abrolhos in 1629, and will contribute to our knowledge of life in the 17th century in the north-west corner of Europe. We hope that the combination of archaeological and historical sources about the *Batavia*, will eventually lead to the identification of the victims.

To establish the family connections between any of the excavated victims, and to determine their sex, requires that samples of the bones be tested for genomic and mitochondrial DNA (mtDNA). Taking the DNA samples requires specialist expertise in order to ensure that they are not contaminated in any way by modern DNA from persons who may have handled the bone samples. Assistance with earlier sampling was forthcoming from the Department of Forensic Biology, PathCentre (Laurie Webb), and from the John Tonge Centre for Forensic Sciences, Queensland Health and Scientific Services (Leo Freney and Peter Clausen).

Unfortunately, an initial sample submitted for mtDNA analysis from the femur of the post-cranial skeleton held by the Australian National Maritime Museum (BAT 15508A) failed to produce an identifiable sequence. Teeth from skull BAT 15831A which had also been submitted to test the association of the two sets of skeletal remains were therefore withdrawn from analysis since the procedure not only involves the destruction of the teeth, but also because techniques for extracting mtDNA from the teeth of ancient archaeological specimens are still in the developmental process.

Computer Tomography (CT) scanning of recently recovered skulls has been undertaken courtesy of Neil Hicks, Sir Charles Gairdner Hospital. The models generated by these scans have assisted in the reconstruction of incomplete and/or fragile juvenile skulls. They are also assisting in the identification of non-skeletal objects recovered from the excavation.

New reconstruction techniques developed by Dr Stephen Knott, Forensic Dentist, QEII PathCentre, have enabled the skulls of two juveniles recovered from the mass grave on Beacon Island to be pieced together. Computer data derived from CT scans of these and two adult skulls (4 in total) were then processed by stereolithography, a rapid prototyping technology, to produce accurate three-dimensional models. Rapid prototyping builds physical models directly from CAD (computer aided design) data. A computer controlled UV laser beam builds the model layer by layer from a vat of liquid polymer which solidifies when exposed to the intense light. The work was undertaken by Rapid Prototyping of Canning Vale with assistance from Prospero Film Productions, conservation and archaeology staff.

Mr Eric Car then assisted Dr Knott to prepare the models so that prototype moulds could be produced, firstly, for developing a clay facial reconstruction; and, secondly, for casting a wax model from the clay reconstruction. The techniques employed will feature in a documentary film being produced by Prospero Productions led by Ed Punchard and Julia Redwood.

Stephen Knott visited the Madame Tussaud's laboratories in London in August 2000 to observe how they make the wax models and gain information about the materials and techniques used.

The project to date

As indicated in the previous outline, the project to date has been the beneficiary of a considerable input of resources in the form of:

- access to professional technical and scientific expertise, and advice;
- access to and provision of costly analytical procedures and investigative technology;
- access to external video/photographic services;
- supply of replication materials, labour and other services;
- local government agency contributions in kind; and
- voluntary assistance from private community organisations, and tertiary institutions.

The assistance of the following organisations and personnel is gratefully acknowledged:

- Fisheries WA
- Conservation and Land Management (CALM)
- Geraldton Professional Fishermen's Association (Rod Dransfield and John Ashplant)
- Maritime Archaeological Association of WA (MAAWA)
- Curtin University of Technology (Bruce and Todd Montgomery, Jochen Franke and Dean Henry)
- University of Western Australia (Prof. B. Gilkes, Dr B.M. Rohl, Dr E. Ghisalberti; and students)
- Geraldton TAFE
- Queen Elizabeth II PathCentre (Drs Clive Cooke, Stephen Knott and Alanah Buck)
- Sir Charles Gairdner Hospital (Neil Hicks)
- John Tonge Centre for Forensic Sciences (Leo Freney and Peter Clausen)
- PRISM Australia (Greg Joyce)
- Adam O'Neill (Consultant Geophysicist)
- Batavia Coast Maritime Heritage Association
- Fisheries WA—Volunteer Group
- Centre for Archaeology, University of Western Australia
- Rapid Prototyping, Canning Vale, WA
- Prospero Productions

In value terms, the 'in kind' contributions made to date (including the recent Coastcare: Abrolhos Islands Project) would amount to *c.* \$50 000. In addition, a Coastcare/Coastwest Grant for 1999–00 has provided a financial contribution of \$29 000 and the Department of Maritime Archaeology, through its Commonwealth Historic Shipwrecks Grant, has contributed a matching amount. The Western Australian Museum Foundation awarded \$4 000 towards the development of a wax model for display purposes.

Given the popularity of television programmes such as *Secrets of the Dead* and *Meet the Ancestors*, it is anticipated that an exhibition featuring the *Batavia* research would generate public interest and would provide a new and

innovative attraction which could be shared between both the Fremantle and Geraldton venues.

Aspects of the research have already featured in a TAFE educational broadcast on Forensic Science which was televised to schools in regional areas throughout WA. The *Batavia* material was used to demonstrate the work of the forensic scientist, how they determined the way in which a victim died and analysed the crime scene.

A documentary film on the *Batavia*, produced by Prospero Productions as part of the series *Shipwreck Detectives* will screen on ABC and National Geographic channels in the New year.

Beacon Island land sites and the victims of the Batavia

The *Batavia* skeletal collections were made available to researchers and scholars. Ms Bernie Hunneybun, Mr Dan Franklin, Centre for Archaeology, University of WA successfully completed a Bachelor of Science Honours degree for her work entitled *Skullduggery at Beacon Island* in 1995. Ms Hunneybun re-examined the available skeletal collection and compiled a database of the crew and passengers on the *Batavia* from which provisional identification of the victims was made. (The database was later refined by Ms Marit van Huystee and the identifications reassessed by Ms Juliette Pasveer.)

Mr Dan Franklin, Centre for Archaeology, University of WA successfully completed his Bachelor of Science Honours thesis entitled *A Bioarchaeological Investigation of Beacon Island Land Sites and the Victims of the* Batavia *Mutiny* in 2001. This work included a parametric analysis of the material raised during the 1999 excavations.

Dr Stephen Knott is planning to undertake postgraduate research of the dentition of the victims, possibly under the auspices of the new University of Western Australia Dental School. Scanning Electron Microscope (SEM) analysis of some of the teeth has already been undertaken but the results await interpretation. It is anticipated that the findings will provide some indication of the diet of the survivors and the stresses to which they were exposed.

Batavia faunal analysis

Mr Ben Marwick, Centre for Archaeology, University of WA successfully completed a Bachelor of Arts Honours thesis on the susbsistence behaviours of the *Batavia* survivors. His work included the identification and an analysis of the faunal material recovered during 1960s–70s excavations on Beacon Island and West Wallabi Island (Weibbe Hayes' encampment) with the aim of comparing how the two groups of survivors subsisted in differing environments.

Marwick's work draws on a paper by Dr Martin Gibbs entitled 'Maritime archaeology and behaviour during crisis—the wreck of the VOC ship *Batavia*' (Gibbs, 2002). Gibbs undertook exploratory test excavations on Beacon Island in May 1992 and conducted the preliminary assessment of the 'mass grave site' in 1994. His

development of a theoretical model for analysing survivor behaviour (see also Gibbs (in press, 2003) 'The archaeology of crisis: shipwreck survivor camps in Australasia') is a new departure in archaeological studies and is relevant to the *Zuytdorp* and *Zeewijk* situations.

Batavia lace

Ms Angharad Rixon successfully completed a Bachelor of Arts Honours degree from the University of Wollongong in 2001 for her study of the lace fragments from the *Batavia*. Her analysis has shown that the lace is 'simple, modest and made with poor quality thread' (a mixture of linen and cotton fibre as opposed to pure linen) (Rixon, 2001). An article on the results of her research is currently in press for the *Bulletin of the Australasian Institute for Maritime Archaeology*.

Batavia trumpet

The survival of musical instruments from shipwreck sites is a relatively rare occurrence. Parts of a valveless (or natural) brass trumpet which were identified among the objects belonging to the *Batavia* thus represent a find of considerable significance.

While most of the tubular pieces were raised from the wreck site over a period of more than a decade, a finely engraved section—the bell garland—was the first piece of material evidence that the *Batavia* was wrecked in the Wallabi Group of the Abrolhos and not the Pelsaert ('Southern') Group. Found on Beacon Island by the late Mr O. 'Pop' Marten, the crumpled piece of metal was shown to bear the inscription: 'MACHT ICH CONRAT DROSCHEL M DCXXVIII' — Made by Conrat Droschel 1628.

Droschel was a well known trumpet maker in the German city of Nürnberg (Nuremberg). Only one other trumpet made by this instrument maker is known to exist. It was found in 1996 by Graham Nicholson of Den Haag, Holland, in the unexhibited musical instrument collection of St Annen's Museum in Lübeck (Germany). Made by Conrat Droschel in 1640, it is said to have been used at the coronation of Tsar Peter the Great. A similar style of trumpet made by Droschel's apprentice, Michael Nagel, was recovered from the Royal Swedish Flagship *Kronan* (1676).

Students at the University of Western Australia School of Music learn to play replica Baroque trumpets, as these natural trumpets are now referred to. The original instruments were considerably difficult to play, having no valves to enable the playing of consecutive notes. Modern versions have been slightly modified with finger-holes which make the correction of some notes easier. The University School of Music kindly loaned one of their instruments to complement the temporary *Batavia* trumpet display.

The survival of the trumpet parts, especially the trumpet mouthpieces, has generated a considerable interest among international baroque trumpet players such as Paul Plunkett and brass instrument makers in Australia, The Netherlands, Germany and England. Mr Karl F. Hachenberg of Wissen, Germany, has been researching the manufacture of Nürnberg trumpets for many years and has utilised the results of the metallurgical analysis of the *Batavia* Droschel trumpet in a paper presented to a Symposium convened by the German National Museums.

Batavia portico

Ms Marit van Huystee, a Dutch linguist specializing in 17th century material carried out an archival translation project under a Fugro grant. The project identified new information about the *Batavia* Portico. It was originally thought that the the portico which was lost in the wreck was for the Waterport of the Castle at Batavia. However, it was known that the Waterport entrance was completed in 1630, wich was too soon for a new one to have been sent to the Indies. We now know that there were four gateways, three were completed in 1630 and one in 1637. The lost portico was destined for this and it took seven years for a new one to be sent.

Samples of the *Batavia* sandstone were sent to Dr Des Thomas Fusenig of the Weserrenaissance-Museum Schloss Brake in 1998 for geological analysis (undertaken by Prof. W. von Zimmerle). The stone was compared with a range of material the German geologists had collected as part of their research into Renaissance buildings in the Weser region. Geological comparison with known quartzose occurrences in the River Weser area showed a high probability that the *Batavia* blocks were quarried from Lower Cretaceous outcrops at Obernkirchen (about 40 km west of Hannover) close to the navigable Weser river (Zimmerle, 1999). from Minden or Petershagen on the riverbank, the stone was shipped down the Weser to Bremen where it was sold for export by Bremen merchants who monopolised the stone trade at the time of the Batavia. The stone, therefore, was often referred to as / Bremen stone'. On sea-going vessels, pre-fabricated stone blocks were carried to the Netherlands and further afield.

Zeewijk (1727)

Ms Sofia Boranga conducted a useful analysis of the faunal material excavated from sites associated with the *Zeewijk* survivors as part of a Post-graduate Diploma in Archaeology, Centre for Archaeology, University of WA. One of the aims was to discern whether the spatial patterning of the remains provided any indication of social status among the survivor groups.

Loans and Exhibitions

New Batavia Project in Lelystad (Resolution 91.5)

A piece of frame timber (BAT 6112) was sent to the Netherlands in 1990 for incorporation into the New Batavia at Lelystad.

Shipwreck	No of Anmesty registrations	No of artefacts	Bricks	Ceramics/Clay pipes	Glass	Bronze/Copper alloy etc.
Batavia	60	112	29 (25.89%)			5 (4.4%)
Vergulde Draeck	137	194	63 (32.5%)			
Zuytdorp	41	82		31 (37.8%)		16 (19.5%)
Zeewijk	81	560	4 (0.7%)	184 (32.8%)	337 (60%)	

Table 5. Dutch artefacts submitted for registration during the Commonwealth Historic Shipwrecks Amnesty 1993–94 (not including coins). The figures are as at 1996.

Amsterdam University Exhibition April 1995

A selection of *Batavia* objects including coins, a skull, a silver ewer and a brass seal were exhibited in Amsterdam to coincide with the launching of the New Batavia.

Geraldton Museum

A temporary exhibition featuring the *Batavia* lace and lace bobbins, with accompanying exhibits relating to lace-making from the History collection, was prepared for the June 1996 *Batavia* Week celebrations at the Geraldton Region Museum.

A small number of surviving parts of a natural trumpet made by Nürnberg trumpet maker Conraet Droschel in 1628 were displayed as a feature of the Geraldton Region Museum's *Batavia* Week Celebrations in 1997. A modern baroque trumpet loaned from the School of Music at the University of Western Australia formed part of the display which was enhanced by recorded baroque trumpet music.

Shipwrecks Gallery—Western Australian Museum Geraldton In preparation for the opening of the Shipwrecks Gallery at Geraldton, Mr Geoff Kimpton led a team including Messrs Neil Southam and Damon Lee in the replication of the *Batavia* portico. He then supervised its transfer, together with a *Batavia* hull diorama to Geraldton and then its installation in the Shipwrecks Gallery.

The new Shipwrecks Gallery presents stories associated with all four Dutch shipwrecks. The involvement of the local community in the fabrication of show cases, lighting and other aspects of the installations has generated a positive sense of 'ownership'. Students from Geraldton TAFE constructed a gun carriage for the composite cannon (the pair to the one in the *Batavia* Gallery) and a group of students are currently working on the construction of a replica of the *Batavia* long boat.

Western Australian Maritime Museum Shipwrecks Galleries The Hartog to De Vlamingh exhibition installed in 1997 at the time of the ANCODS Colloquium is still proving a most popular exhibition, although much of the original archival material is now displayed in facsimile format. The exhibition was originally intended to run for one year only.

Mr Geoff Kimpton completed a gun carriage for the Zuytdorp cannon recovered by museum staff in 1988

utilising funds donated by Trustee and WAMM Board member Mr Peter Hickson. It was unveiled at a ceremony in the museum gallery in January 2001.

Following the installation of the replica portico at Geraldton, Mr Kimpton, as Chair of the *Batavia* Gallery Committee, installed three new exhibits featuring objects related to the structure of the *Batavia*. These link with improved interpretive signage to better explain the structural and other features of the reconstructed hull. The composite gun off the *Batavia* has been relocated to this gallery and other exhibits have been refurbished.

An exhibition about the stone anchor recovered in Galle Harbour was installed as a corridor exhibit to illustrate the Australian/Dutch collaborative work in Sri Lanka. The replica of the stone anchor was made by Tom Vosmer.

New Western Australian Maritime Museum

A selection of coins from the *Zuytdorp*, an astrolabe from the *Vergulde Draeck* and a replica of the De Vlamingh Plate will feature in the Indian Ocean Gallery.

Weserrenaissance-Museum Schloss Brake, Germany

In 2000, coinciding with world Expo 2000 at Hannover, the Weserrenaissance-Museum Schloss Brake launched an exhibition commemorating the international relations of the Weser region during the 16th and 17th centuries. The 1997 discovery of an 18th-century shipwreck in the River Weser, loaded with stones from quarries at Obernkirchen, prompted them to make a scale model of the *Batavia* portico from information supplied by the Western Australian Maritime Museum. The planned model was to be large enough for people to walk through, anan example of the pre-fabricated architecture produced at Obernkirchen in the 16th–17th century.

Commonwealth Historic Shipwrecks Amnesty 1993–94

Registration of material notified under the Historic Shipwrecks Amnesty (coins and artefacts) was undertaken from 1993 to post-1996. Figures detailing the numbers and types of artefacts registered are shown in Table 5. The Amnesty stimulated the donation of objects registered at previous amnesties and the anonymous donations of unregistered objects.

Several thousand coins were registered, principally from the *Batavia*, *Vergulde Draeck* and *Zuytdorp*. A selection of *Batavia* coins, chosen by Stan Wilson, was donated by an international coin dealer and two *Vergulde Draeck* coins were purchased by the WAMM for the collection.

Site Management

Training of Inspectors

Eleven Western Australian Fisheries Officers from the Mid-West (Geraldton) Region successfully completed a two-day training course and workshop in October 1999 to allow them to operate as Inspectors under the Commonwealth *Historic Shipwrecks Act 1976*. The course was designed by Shirley Strachan (Heritage Victoria) and Peter Sullivan (Consultant) who convened the workshops in collaboration with staff of the Department of Maritime Archaeology (J. Green, M. Stanbury and D. Garratt). The appointment of the Inspectors will assist Departmental staff with the managment of cultural heritage sites associated with historic shipwrecks, especially those in the Houtman Abrolhos system (i.e. *Batavia & Zeewijk*).

Obituary

Stan Wilson AM MPS PhC JP

(29 September 1920-10 December 1999).

Stan Wilson is fondly remembered by staff of the Western Australian Museum for his dedicated work as an Honorary Curator of Numismatics in the History and Maritime Archaeology departments. Stan's interest in numismatics was secondary to his profession as a pharmacist, but none the less important. Throughout his retirement he continued to work on the Museum collections until ill-health prevented this. At a special luncheon in his honour, Stan was presented with a commemorative certificate, specially designed and mounted by Museum staff, recognizing his many years of valued service. Stan leaves a wife, Pamela, and two daughters, Patricia and Lesley (Temple).

Staff and associated publications relating to the Dutch shipwrecks—1991–2002

- Bloom, W., 2002, A religious medallion from the *Gilt Dragon*. Journal of the Numismatic Association of Australia Inc., 12: 62–64.
- Bird, C., (in press), The *Batavia* mutiny and *Batavia* 's graveyard. In: Bahn, P. (ed.), Title TBA.
- Boranga, S., 2000, The identification of social organization on Gun Island. Post Graduate Diploma in Archaeology thesis, Centre for Archaeology, Department of Anthropology, University of Western Australia.
- Carpenter, J. 1994, Conservation in Galle. [Fremantle, W.A., Materials Conservation Department, Western Australian
- Carpenter, J., 1996, A Maritime archaeological conservation laboratory in Galle, Sri Lanka. Fremantle, W.A., Materials Conservation Department, Western Australian Museum.
- Centre of Excellence, 1998, *The Australian-Sri-Lanka-Netherlands Galle Harbour Project 1992-1998*. Report. The Australian National Centre of Excellence for Maritime Archaeology, Western Australian Maritime Museum, No. 1.
- Dash, M., 2002, Batavia's graveyard. The true story of the mad heretic who led history's bloodiest mutiny. Weidenfeld & Nicolson, London.
- Franke, J., 2000, *Batavia* site mapping. In: Stanbury, M. (ed.), *Abrolhos Islands Archaeological Sites: Interim Report.* Australian National Centre of Excellence for Maritime Archaeology Special Publication No. 5, Fremantle: 15–18.
- Franke, J., 2000, Creation of three-dimensional site plans integrating artefact database topology. Unpublished report.
- Franklin, D., 2001, A bioarchaeological investigation of Beacon Island land sites and the victims of the *Batavia* mutiny. Unpublished Bachelor of Science Honours thesis, Department of Anatomy and Human Biology and Centre for Archaeology, University of Western Australia.
- Garratt, D. 1995 (ed.) Shipwrecks from Guilderton to Lancelin (Wreck Trail brochure). Written by Clare Edgar & Rebecca Van der Poll.
- Gibbs, M., 1992, 'Batavia's Graveyard'—A report on archaeological survey and excavations on Beacon Island, Wallabi Group, Houtman Abrolhos, Western Australia. Report—Department of Maritime Archaeology, Western Australian Maritime Museum, No. 59.
- Gibbs, M., 1994, Report on the excavation of skeleton SK5, a victim of the *Batavia* massacre of 1629, Beacon Island, Western Australia. Centre for Archaeology, University of Western Australia. Report—Department of Maritime Archaeology, Western Australian Maritime Museum, No. 119
- Gibbs, M., 2002, Maritime archaeology and behaviour during crisis—the wreck of the VOC ship *Batavia* (1629). In: Grattan, J. and Torrence, R. (eds.), *Natural disasters, catastrophism and cultural change*. One World Archaeology, Routledge, London.
- Gibbs, M., (in press), The archaeology of crisis: shipwreck survivor camps in Australasia. *Historical Archaeology*, 2003, **37.**1: 128–145.
- Green, J.N., 1997, *Batavia, Trial, Vergulde Draeck* and *Zuytdorp.* In: Delgado, J.P., (ed.), *Encyclopeaedia of Underwater and Marine Archaeology*, British Museum Press, London.
- Green, J.N., 1998, The Batavia incident: the sites. In: Green, J.N., Stanbury, M and Gaastra, F. (eds), The ANCODS colloquium. Papers presented at the Australia–Netherlands Colloquium on maritime archaeology and maritime history. Special

- Publication—Australian National Centre for Excellence for Maritime Archaeology No. 3.
- Green, J.N., 1998, VOC shipwrecks of the world. In: Green, J.N., Stanbury, M and Gaastra, F. (eds), The ANCODS colloquium. Papers presented at the Australia–Netherlands Colloquium on maritime archaeology and maritime history. Special Publication— Australian National Centre for Excellence for Maritime Archaeology No. 3.
- Green, J., 2000, Batavia surveying project. In: Stanbury, M. (ed.), Abrolhos Islands Archaeological Sites: Interim Report. Australian National Centre of Excellence for Maritime Archaeology Special Publication No. 5, Fremantle: 19–20.
- Green, J.N., Millar, K. and Devendra S., 1992, Maritime Archaeology in Sri Lanka, the Galle Harbour Project-1993: an interim report.
 Report—Department of Maritime Archaeology Western Australian Maritime Museum No.65
- Green, J.N. and Devendra, S., 1993, Maritime archaeology in Sri Lanka: the Galle Harbour project—1992. Archaeology Department of Sri Lanka, the Central Cultral Fund, the Western Australian Maritime Museum and the Postgraduate Institute of Archaeology.
- Green, J. and Parthesius, R., (eds.), 1998, Papers from the Seminar 'Galle—A port city in history'. 15 November 1997, Galle. Australian National Centre for Excellence in Maritime Archaeology, Special Publication, No. 2
- Green, J., Devendra, S. and Parthesius, R. (eds.), 1998, Galle Harbour Project 1996-1997. Report for the Sri Lanka Department of Archaeology. Sri Lanka, Australia, Netherlands. Archaeology, History, Conservation, Training. Special Report-The Australian National Centre of Excellence for Maritime Archaeology, Western Australian Maritime Museum, No. 4.
- Green, J.N., Devendra, S., Parthesius, R., 1998, Sri Lanka Department of Archaeology report on the joint Sri Lanka-Australia-Netherlands Galle Harbour project 1996-1997 archaeology, history, conservation and training. Fremantle, WA: Australian National Centre of Excellence for Maritime Archaeology.
- Green, J.N., Stanbury, M. and Gaastra, F. (eds), 1998, The ANCODS colloquium. Papers presented at the Australia–Netherlands Colloquium on maritime archaeology and maritime history. Australian National Centre for Excellence for Maritime Archaeology Special Publication No. 3.
- Green, J. and Stanbury, M., 2001, Draft Management Plan for the protection of historic shipwreck and associated maritime heritage sites in the Wallabi Group of the Houtman Abrolhos System. Report—Department of Maritime Archaeology Western Australian Maritime Museum No. 151.
- Hachenberg, K.F., 2002, Nürnberger Musikinstrumente aus Messing. Chancen und Grenzen der Herkunftsbestimmung durch Materialanalysen. Symposion" Quasi Centrum Europae", Anzeiger Des Germanischen Nationalmuseums. 201–213.
- Hunneybun, B., 1995, Skullduggery at Beacon Island. Unpublished Bachelor of Science Honours thesis, Centre for Archaeology, University of Western Australia, Nedlands.
- Huystee, M. van, 1996, Who was on the *Batavia*:: an anotated list of victims and survivors of the *Batavia* tragedy. Maritime Archaeology Report, No. 109.
- Huystee, M. van, (ed.), 1998, The *Batavia* Journal of Francisco Pelsaert. Trans. Van Huystee, M., Report—Department of Maritime Archaeology, Western Australian Maritime Museum, No. 136.
- Huystee, M., van, 2000, Historical evidence of the *Batavia* mutiny: Beacon Island expedition. In: Stanbury, M. (ed.), *Abrolhos Islands Archaeological Sites: Interim Report*. Australian

- National Centre of Excellence for Maritime Archaeology Special Publication No. 5, Fremantle: 11–14.
- Huystee, M., van and Pasveer, J., 1998, Dagboek van een moordpartij: Bataviadoden geïdentificeerd. Natuur & Techniek: Natuurwetenschappelijk en Technisch maandblad, 11: 64–75.
- Kenderdine, S., 1995, *Shipwrecks 1656–1942: a guide to the historic shipwrecks of Perth.* Western Australian Maritime Museum, Perth.
- Kimpton, G. and Stanbury, M., 2002, *Batavia* portico embarks on a newjourney. Article prepared for *MaritimeLog* (Western Australian Maritime Museum Magazine), 1: 10.
- Marwick, B., 1999, The archaeology of insurrection. An investigation into the subsistence behaviours of the *Batavia* survivors. Unpublished Bachelor of Arts (Archaeology) Honours thesis, Centre for Archaeology, Department of Anthropology, University of Western Australia.
- McCarthy, M., 1997, Zuytdorp. In Delgado, J.P., (ed.) British Museum Encyclopaedia of Underwater and Maritime Archaeology, British Museum Press, London: 475–6.
- McCarthy, M., 1998, Investigations at the *Zuytdorp* sites. In Green, J., Stanbury, M. and Gaastra, F., *The ANCODS Colloquium*. Special Publication—Australian National Centre of Excellence for Maritime Archaeology, Western Australian Maritime Museum, Fremantle.
- McCarthy, M.,1998), Zuytdorp, Far From Home. Bulletin of the Australian Institute for Maritime Archaeology, 22: 51-54.
- McCarthy, M. and Silvester, L., 2000, The Australian contact shipwrecks program. A Report on the completion of the first stage in Western Australia. *Bulletin of the Australian Institute for Maritime Archaeology*, **24**: 133–5.
- McCarthy, M. and Garratt, D., 2001, The Western Australian Maritime Museum Wreck Access and Outreach Program. In: Staniforth, M. amd Hyde, M., 2001, Maritime Archaeology in Australia: A reader. 282–291. First published in Bulletin of the Australian Institute for Maritime Archaeology, 22: 127–132.
- O'Neill, A., 1999, Ground Penetrating Radar survey at a 1629 graveyard: The *Batavia shipwreck victims. Beacon Island, Houtman Abrolhos Group, Western Australia.* Unpublished report.
- Pasveer, J., 1998, Proposal for the study of human skeletal remains from the Abrolhos. In: Green, J., Stanbury, M. and Gaastra, F. (eds.), *The ANCODS Colloquium. Papers presented at the Australia–Netherlands Colloquium on Maritime Archaeology and Maritime History.* Special Publication No. 3 Australian National Centre of Excellence for Maritime Archaeology, Fremantle, WA: 118–121.
- Pasveer, J., Buck, A. and Huystee, M. van, 1998, Victims of the *Batavia* Mutiny: physical anthropological and forensic studies of the Beacon Island skeletons. *Bulletin of the Australian Institute for Maritime Archaeology*, **22**: 45-50.
- Pasveer, J., 2000, Archaeology. In: Stanbury, M. (ed.) *Abrolhos Islands Archaeological Sites: Interim Report.* Australian National Centre of Excellence for Maritime Archaeology Special Publication No. 5. Fremantle: 5–10.
- Pasveer, J. 2001, Excavation and investigation of the *Batavia* mutiny mass grave on Beacon Island, Houtman Abrolhos, WA. Unpublished report.
- Rixon, A., 2001, In search of the *Batavia* lace. Unpublished Bachelor of Arts Honours thesis, University of Wollongong, New South Wales.
- Rixon, A., 2002, Just a piece of lace? Examining the fragments of lace retrieved from the wreck of the VOC *retourschip*

- Batavia. Bulletin of the Australasian Institute for Maritime Archaeology 26 (in press).
- Rohl, B.M. and Gilkes, B., 1999, Results of tests carried out on samples relating to the *Batavia* burials. Unpublished report.
- Schneider, S., 2001, Conservation report for iron containing buttons found at the *Batavia* land site on Beacon Island in 1999. Unpublished report.
- Shepherd, R., 1992, The Batavia lace. Australian Lace, 14.2: 8-11.
 Shepherd, R., 1994a, The Batavia lace. OIDFA Bulletin, 1: 4-5,
 (Journal of the International Bobbin and Needle Lace Organisation), Brugge.
- Shepherd, R., 1994b, The *Batavia* pattern. *OIDFA Bulletin*, 1: 6-9.
- Souter, C., 1998, Stone anchors near Black Fort, Galle, Sri Lanka. *International Journal of Nautical Archaeology*, **27.**4:331–342.
- Souter, C. (ed.), 1999, The Australian-Sri Lanka-Netherlands Galle Harbour Project Progress Interim Report for the 1999 Expedition.
 Report—Australian National Centre of Excellence for Maritime Archaeology, No. 8.
- Souter, C., 2000, Abrolhos geophysical survey. In: Stanbury, M. (ed.), Abrolhos Islands Archaeological Sites: Interim Report. Australian National Centre of Excellence for Maritime Archaeology Special Publication No. 5. Fremantle: 21–23.
- Stanbury, M., 1998, Land archaeology in the Houtman Abrolhos. In Green, J., Stanbury, M. and Gaastra, F. (eds.), *The ANCODS Colloquium. Papers presented at the Australia–Netherlands Colloquium on Maritime Archaeology and Maritime History.* Special Publication No. 3 Australian National Centre of Excellence for Maritime Archaeology, Fremantle, WA: 101–117, 149–163.
- Stanbury, M. (ed.), 2000, Abrolhos Islands Archaeological Sites: Interim Report. Australian National Centre of Excellence for Maritime Archaeology Special Publication No. 5. Fremantle.
- Stanbury, M., 2000, Coastcare: Abrolhos Islands Project 1999.
 In: Stanbury, M. (ed.) Abrolhos Islands Archaeological Sites:
 Interim Report. Australian National Centre of Excellence for Maritime Archaeology Special Publication No. 5. Fremantle: 1–3.
- Stanbury, M., 2002, Bones, buttons and DNA. *Maritime Log* (Western Australian Maritime Museum Magazine), 1: 15.
- Testa, A., 2001. The saga of the Zuytdorp silver. Australian Coin Review. March, 2001: 20–21.
- Van der Kuil, P., 2001, What happened to the abandoned survivors of Dutch VOC shipwrecks on WA's coast? In *New-Holland Update. The Official Newsletter of the VOC Historical Society Inc.*, Perth: 1–2.
- Williams, S., Warren, J., Garratt, D., Green, B., and McCarthy, M., 1994, *The Castaway Coast, Port Gregory to Steep Point*. Illustrated Information Pamphlet, WA Maritime Museum.
- Zimmerle, W. von, 1998, Der Sandstein von der "Batavia" sein Mineralbestand und seine herkunft. Unpublished report, Schloss Brake, Weserrenaissance-Museum, Germany.

Posters

- Garratt, D. and Ruse, J. 1995 Shipwrecks from Guilderton to Lancelin (Illustrative Wall Chart).
- McCarthy, M. and Ruse, J., 1994, *Historic Shipwrecks of Western Australia, (Those found as of January 1994)*. Department of Maritime Archaeology, WA Maritime Museum.
- McCarthy, M. and Ruse, J., 1994, *Historic Shipwrecks of the Geraldton Area*. Department of Maritime Archaeology, WA Maritime Museum.

Pamphlets

- Ralph. L., Whyte, N., (Work Experience), Green, B., & McCarthy, M., 1993, Wrecks in the Houtman Abrolhos. Illustrated Information Pamphlet, WA Maritime Museum.
- Williams, S., Warren, J., Garratt, D., Green, B., and McCarthy, M., 1994, *The Castaway Coast, Port Gregory to Steep Point.*Illustrated Information Pamphlet, WA Maritime Museum.
- Briggs, W., Green, M., (Work Experience), Garratt, D., Green, B., amd McCarthy, M., 1994, *Shipwrecks of Shark Bay*. Illustrated Information Pamphlet, WA Maritime Museum.
- Chapman, P., Wilkie, L., Green, B., Strbac, S. and McCarthy, M., 1994, *Access to maritime sites for people with disabilities*. Illustrated Information Pamphlet, WA Maritime Museum.

Museum Information Series

McCarthy, M., Zuytdorp.

Stanbury, M. and Shepherd, R., 1996, *The* Batavia *lace*. Western Australian Maritime Museum 'Information' series.

Unpublished Departmental Reports

- Kimpton, Geoff, and McCarthy, M., (1988). Zuytdorp 1701-1712. Report to the Director and Head of Division on underwater and other work conducted during the period April 1986 to April 1988. Report Department of Maritime Archaeology. Western Australian Maritime Museum, No. 30
- McCarthy, M., (1990). Zuytdorp, A Report on the Situation to Date, (June 1990), Report-Department of Maritime Archaeology. Western Australian Maritime Museum, No 42
- McCarthy, M., 2000. Zuytdorp Wreck and Reserve. Management Strategy, 2000 onwards. Report Department of Maritime Archaeology. No 168.
- McCarthy, M. (Comp.), (2001). Western Australia's Historic Wreck Publication Status: a checklist of Western Australia's historic wrecks indicating work required and their excavation and publication status as of February 1997. Promulgated September 2001 in preparation for a 5 year review. Report-Department of Maritime Archaeology. Western Australian Maritime Museum, No. 156.
- McCarthy,M., (comp.), 1992. Western Australia's Historic Wreck Publication Status. A checklist of Western Australia's historic wrecks indicating work required and their excavation and publication status as at September 30 1992. [In readiness for a 10-yearly update]. Report— Department of Maritime Archaeology, Western Australian Maritime Museum, No. 165.
- McCarthy, M., Kimpton, G., and Gauntlett, M., (in prep). Zuytdorp 1986–2002. Report—Department of Maritime Archaeology. Western Australian Maritime Museum, No. 169.
- Weaver, Fiona, 1994. Report of the excavations of previously disturbed land sites associated with the VOC ship Zuytdorp, wrecked 1712, Zuytdorp Cliffs, Western Australia. A report to the Western Australian Maritime Museum, Fremantle, Western Australia. Report—Department of Maritime Archaeology, Western Australian Maritime Museum, No.90
- Silvester, L. (compiler), 1998, Strangers on the shore. Shipwreck survivors and their contact with Aboriginal groups in Western Australia 1628-1956. Report—Department of Maritime Archaeology, Western Australian Maritime Museum, No. 146

Websites

Batavia. By Jeremy and Gemma Green. http://

www.mm.wa.gov.au/Museum/march/department/batavia.html

Vergulde Draeck.

In: Historic shipwrecks of Perth. By Sarah Kenderdine. http:// www.mm.wa.gov.au/Museum/march/shipwrecks/Metro/ Intro.html

Zuytdorp

Zuytdorp by M. McCarthy, assisted by R.Richards
http://www.mm.wa.gov.au/Museum/march/shipwrecks/Zuytdorp/Zuytdorp.html

Includes:

- 1. **The** *Zuytdorp* **story. M. McCarthy.** Western Australian Maritime Museum, Fremantle, Western Australia.
- An archaeological survey of midden sites near the Zuytdorp wreck, Western Australia. Kate Morse. Anthropology Department, Western Australian Museum, Francis Street, Perth, Western Australia 6000. May 1987.
- In search of the Zuytdorp survivors: report on an archaeological reconnaissance of a site in the Shark Bay area, 1990. Sandra Bowdler. Department of Archaeology, University of Western Australia Preliminary Report, June, 1991
- Report of the excavations of previously disturbed land sites associated with the VOC Ship Zuytdorp, wrecked 1712, Zuytdorp Cliffs, Western Australia. Fiona Weaver. A report to the Western Australian Maritime Museum, Fremantle, Western Australia. Sept.1990.
- Zuytdorp. A report on the situation to date (June 1990). M. McCarthy. Zuytdorp Project Leader with Geoff Kimpton. Western Australian Maritime Museum, Fremantle, Western Australia.

General VOC

Strangers on the Shore by L Silvester, M. Murray, M. McCarthy, assisted by R. Richards. Strangers on the Shore: http://www.mm.wa.gov.au/Museum/march/strange.htm

References

- Amalfi, C., 1999, Fleshing out the *Batavia* horror. Archaeology and forensic science are combining to investigate the bloodthirsty deeds of Dutch mutineers off the WA coast nearly four centuries ago. *The West Australian Big Weekend*, 20 November 1999: 1-2. (Photographs by John Mokrzycki.)
- Department of Communications and the Arts, 1997, Principles on the treatment of human remains at underwater heritage sites. Draft document.
- Drake-Brockman, H., 1957, *The wicked and the fair*. Angus & Robertson, Sydney.
- Drake-Brockman, H., 1963, Voyage to disaster. Angus & Robertson, Sydney.
- Edwards, H., 1966, *Islands of angry ghosts*. Angus & Robertson, Sydney.
- Green, J., 1989, The loss of the Verenigde Oostindische Compagnie retourschip Batavia, Western Australia 1629: an excavation report and catalogue of artefacts. British Archaeological Reports, international series no. 489, Oxford.
- Halls, C., 1964, The search for the *Batavia*. The Annual Dog Watch, 21: 21–9.
- Jansz, J., 1647, Ongeluckigevoyagievan't schip Batavia... Amsterdam.
 Pasveer, J., Buck, A. and van Huystee, M., 1998, Victims of the Batavia mutiny: physical anthropological and forensic studies of the Beacon Island skeletons. Bulletin of the Australian Institute for Maritime Archaeology, 22: 45–50.
- Stanbury, M., 1997, Let's Face It! The 7th Scientific Meeting of the International Association for Craniofacial Identification, Melbourne, Victoria, Australia, 30 September–4 October 1997. Report on interstate travel. Report—Department of maritime Archaeology, Western Australian Maritime Museum, No. 133.
- Stanbury, M., 1998, Land archaeology in the Houtman Abrolhos. In: Green, J., Stanbury, M. and Gaastra, F., (eds.), *The ANCODS Colloquium*. Special Publication No. 3. Australian National Centre of Excellence for Maritime Archaeology, Fremantle: 101–117, 149–163.
- Stanbury, M. (ed.), et al., 1999, Abrolhos Islands archaeological sites: Interim report. Special Publication No. 5. Australian National Centre of Excellence for Maritime Archaeology, Fremantle.
- Tyler, P., 1970, The wreck of the *Batavia*: Insights into the relationship between bureaucracy and government in Western Australia. *Westerly*, **4**: 49–62.

Appendices

A. Material registered since 1991: Batavia, Vergulde Draeck, Zuytdorp and Zeewijk.

Wreck	Wreck Reg. No.	Matco.	No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
BAT	1158	24	9	Stone piece.	MABAT	C		7/5/82	Located inshore reel near SP 1
BAT	1159	ex.	•	Stone, black - coal	MABAT		9/5/92	9/5/92	
BAT	1160	57	42	Coal	MABAT		9/5/92	9/5/92	
BAT	1181	1/4	ti	Whetstone/sharpening stone	MABAT		9/5/92	9/5/92	
BAT	1162	1.7	1	Stone, small unspecified.	MABAT	67	9/5/92	9/5/92	
BAT	1163	1.4		Sharpening stone, piece	MABAT		11/5/92	11/5/92	
BAT	1164	Ç)	2		MABAT		12/5/92	12/5/92	
BAT	1165	1.4	•	Sharpening stone fragment	MABAT		12/5/92	12/5/92	
BAT	0 8 8 a d		v.	Building block: small piece only.	MABAT	5		10/2/98	Unregistered in collection, Divided for destructive analysis; B to Dr Des Thomas Fuserig, Weserrenaissance-Museum Schloss Brake, Zweckverband Weserrenaissance-Museum, Forschurgsprojekt, Schloss Brake, 32657 Lemgo, Germany, 10/2/98
BAT	1167	2	cu	Pieces of slate or shale.			3/10/99		
BAT	1168	17	+	Piece of unidentified stone.	MABAT	64	3/10/99		
BAT	1169	10		Ballast stone - possible portico block			24/2/2001	23/4/2001	WAMM expedition:
BAT	1170	127	v				28/2/2001	23/4/2001	WAMM expedition
BAT	1171	17	**	Stone - ballast ?			28/2/2001	23/4/2001	WAMM expedition
BAT	1172	1,0		Shaped stone	GM	Ship Galf, BAT 5	17/8/1967	9/5/2001	WAM expedition 1967
BAT	1173	4)		23 Stones (9), bone frags (2) + nails (12)	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	21654	21	÷		MABAT		6/5/92	6/5/92	
BAT	21655	21	i.i.	2 Jug. base sherds	MABAT		6/5/82	6/5/92	Finder CP (Colin Powell?)
BAT	21656	21	7	4 Jug. body sherds	MABAI		6/5/82	8/5/92	Ember CP (Collin Powelly)

Wreck	Wreck Reg. No.	Matco.	No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
			tems						
BAT	21657	Č.	•	Jug. body sherd- Seigburg	MABAT		8/5/92	6/5/72	Finder CP (Colin Powell?)
BAT	21658	čų.		Westerwald sherd	MABAT		7/5/92	7/5/92	
BAT	21659	21	14	Raeren sherds	MABAT		7/5/92	7/5/92	
BAT	21560	21	-	Neck sherd, Cordon	MABAT		(7/5/92	7/5/92	
BAT	21661	21		Jug hody sherd w/ part mask	MABAT		7/5/92	7/5/92	
BAT	21662	52		Mask sherd	MABAT		7/5/92	7/5/92	
BAT	21663	17	ш	Medallion sherds	MABAT		7/5/92	7/5/92	
BAT	21664	24	4	Seigburg sherds	MABAT		7/5/92	7/5/92	
BAT	21665	2.1	r)		MABAT		7/5/92	7/5/92	
BAT	21666	21		Jug, part neck and handle	MABAT		7/5/92	7/5/92	
BAT	21667	21		Jug, neck shard	MABAT		7/5/92	7/5/92	
BAT	21668	21	C)	Jug, handle sherds	MABAT		7/5/92	7/5/92	
BAT	21869	EN.	39	Jug. body sherds	MABAT		7/5/92	7/5/92	
BAT	21670	22	N)	Sherds, Earthenware	MABAT		7/5/92	7/5/92	
BAT	21671	22	.10	Sherds, Earthenware, brown	MABAT		7/5/92	7/5/92	
BAT	21672	23		Sherd, majolica	MABAT		7/5/92	7/5/92	
BAT	21673	22		Sherd, South East Asian	MABAT		7/5/92	7/5/92	
		1		stoneware	ALTERNATION OF THE PERSON OF T		100000000000000000000000000000000000000	-	200
BAT	21674	21	-	Shord, South East Asian Stoneware	MABAT		7/5/92	7/5/92	Found w/ facsimile jug No
BAT	21675	22	1	Apothecary jar, base only	MABAT		9/5/92		in see Shivey post (d)
BAT	21676	22	ru.	Sherds, brown glaze	MABAT		9/5/92	9/5/92	
BAT	21677	22	1	Sherds, Earthenware	MABAT		9/5/92	9/5/92	
BAT	21678	22		Sherd, earthenware, thick	MABAT		9/5/92	9/5/92	
BAT	21679	23	77	Sherds, Majolica	MABAT		9/5/82	8/5/82	
BAT	21680	61		Jug, neck only w/ mask - type G - rope mouth	MABAT)	9/5/92	9/5/92	
BAT	21681	21		Jug handle only	MABAT		9/5/92	9/5/92	
BAT	21682	54	*	Jugihandle / neck fragment	MABAT		9/5/92	26/2/6	
RAT	21683	21	-	Jug. base of handle	MABAT		9/5/92	9/5/92	
BAT	21684	23	*2	Jug, neck shard	MABAT		9/5/92	9/5/92	

54

Wreck	Wreck Heg. No.	Marco	.co.	Description	Musco	2002	Date found	Date Reg.	Notes
SAT	1000	Ē	rems		SANAT		6/2/00	Coleion	
5	51080	9		500	MABAI		26/9/8	28/9/8	
BAT	21687	21	m	Jug. Base sherds	MABAT		8/2/82	8/8/82	
BAT	21688	23	23	3 Jug body sherds	MABAT		9/5/92	9/5/92	
BAT	21689	23	aTe	Jug, Seigburg, neck sherd	MABAT		9/5/92	9/5/92	
BAT	21690	53	原	Jug, Seigburg - base sherd	MABAT		9/5/92	9/5/92	
BAT	21691	či.		Jug, Cordon shard w/ parl medallion	MABAT		9/5/92	9/5/92	
BAT	21692	21	5	Jug, Seigburg, part 'Jan Allers' medallion	MABAT		9/5/92	8/5/82	
BAT	21693	23	5	Jug, blue / grey rose medallion, Cordon	MABAT		975/92	9/5/92	cf. BAT 2304
BAT	21694	2	E.		MABAT		9/5/92	9/5/92	cf. BAT 2571
BAT	21695	27	2	Jug sherd, blue / grey Westerwald- mid-body, handle base	MABAT		9/5/92	9/5/92	
BAT	21696	23		Sherd, neck/shoulder, Raeren MABAT	MABAT		9/5/92	9/5/92	
BAT	21697	2.5	ব	Sherds, stoneware, thick, blackish	MABAT		2/5/85	9/5/92	?SE Asian
BAT	21698	23	H	Sherd, Majolica	MABAT		9/5/92	9/5/92	
BAT	21699	22	चं	Sherds, earthenware	MABAT		8/5/92	9/5/92	
BAT	21700	123		Jug, small, lower part only	MABAT		9/5/92	8/5/92	
BAT	21701	21	原	Mask fragment	MABAT		9/5/92	9/5/92	
BAT	21702	2	100	Jar, rim only	MABAT		9/5/92	9/5/92	Found inside reef, north
BAT	21703	27	**	Jug, handle	MABAT		8/5/92	9/5/92	
BAT	21704	<u>£1</u>	0	Jug, body sherd w/ part medallion	MABAT		9/5/92	26/2/6	
BAT	21705	23	. . 55	Jug, part neck rim and handle. Narrow handle -wide mouth neck. New type I	MABAT		8/6/82	9/5/92	
BAT	21705	21	1	_	MABAT		9/5/92	9/5/92	
BAT	21707	2.1	ÇV	Medallion, Cordon,parts,	MABAT		8/5/92	975792	Found inside neel nadh

Wrack	Wrack Reg. No.	Matco.	No.	Description	Musco	Locz	Date found	Date Reg.	Notes
BAT	21708	64	toma 2	Jug, base sherds	MABAT		9/5/92	9/5/92	
BAT	21709	21	-	Medallion sherd -v,small	MABAT		9/5/92	9/5/92	
BAT	21710	52	**	Sherd, Raeren -shoulder sherd	MABAT		8/5/92	9/5/92	
BAT	21711	21	22	Body sherds	MABAT		9/5/92	9/5/92	
BAT	21712	22	T	Sherd Earthenware - glazed	MABAT		11/5/92	11/5/92	
BAT	21713	23.33	•	Sherd, majolica, w/ blue line	MABAT		11/5/92	11/5/92	
BAT	21714	22	1700	Sherd, Earthenware. Thick	MABAT		11/5/92	11/5/92	
BAT	21715	21	Ф	Jug, sherds	MABAT		11/5/92	11/5/92	
BAT	21716	54	1	Jug base sherd	MABAT		11/5/92	11/5/92	
BAT	21717	21	27	Jug, handle fragment	MABAT		11/5/92	11/5/92	
BAT	21718	21		Jug, handle fragment.	MABAT		11/5/92	11/5/92	
BAT	21719	23	-	Medallion fragment, rosette	MABAT		11/5/92	11/5/92	
BAT	21720	23	200	Medallion fragment Seigburg	MABAT		11/5/92	11/5/92	
BAT	21721	21	72	Jug, Westerwald, mid-body	MABAT		11/5/92	11/5/92	
				fragment					
BAT	21722	21	=	Jar, rim - SE Asian	MABAT		12/5/92	12/5/92	
BAT	21723	23	0	Sherd-black - SE Asian?	MABAT		12/5/92	12/5/92	
BAT	21724	29	-	Sherd- neck of Kendi	MABAT		12/5/92	12/5/92	
BAT	21725	CA CA	্ব	Jug or Testje, sherds only	MABAT		12/5/92	12/5/92	
BAT	21726	22	CA	Sherds, thick	MABAT		12/5/92	12/5/92	
BAT	21727	21	C)	Handle sherd - Cordon	MABAT		12/5/92	12/5/92	
BAT	21728	21	**	Jug, handle shord only	MABAT	J	12/5/92	12/5/92	
BAT	21729	21		Medallion sherd- rosette -	MABAT		12/5/92	12/5/92	
	The second second			small			The second second		
BAT	21730	21	+	Medallion sherd- rosette large	MABAT		12/5/92	12/5/92	
BAT	21731	21	-	Medallion sherd, heraldic	MABAT		12/5/92	12/5/92	
BAT	21732	21	17	Mask sherd	MABAT		12/5/92	12/5/92	Found Inside reel
BAT	21733	2	× .	12 Jug. body shards	MABAT		12/5/92	12/5/92	

ANCODS 2002: Batavia material registered since 1991

11/7/02

Wreck	Wreck Reg. No.	Matco.		Description	Musco	Loc2	Date found	Date Reg.	Notes
BAT	21739	27		Seigburg Jug wall sherd (double entry see BAT 21695).	MABAT	1	9/5/92	9/5/92	Double registered
BAT	21740	255	373	Bnak			27/1/99		Donation
BAT	21741	21	**	Beardman mask and part medallion w/ part date 93	clc	wet	3/10/1899		
BAT	21742	27	**		clc	wet	3/10/1999		
BAT	21743	£4		_	93	Wet	3/10/1999		
BAT	21744	23	-	_	clc	wet	3/10/1999		
BAT	21745	21	-	Beardman mask fragment.	clc	wet	3/10/1999		
BAT	21746	212	ū		clc	WeI	3/10/1999		
BAT	21747	21			9	wet	3/10/1999		
BAT	21748	22	*	Part handle from stoneware lug w/ rim.	clo	wet	3/10/1999		
BAT	21749	2	70	Part handle from stoneware lug.	clc	wet	3/10/1999		
BAT	21750	ā	T-		clo	wet	3/10/1999		
BAT	21751	çı	37°		g D	wet	3/10/1989		
BAT	21752	21	ĸ	Base sherds of stoneward lugs.	alo	wet	3/10/1999		
BAT	21753	23		Body sherd of stoneware jug- with ridged section.	olo	wet	3/10/1999		
BAT	21754	21	***		ata	wet	3/10/1999		
BAT	21755	21	7	Body sherds: dark brown coarse mottle.	afo	wet	3/10/1999		
BAT	21756	21	.03	nedium brown	olo .	wet	3/10/1999		

Wreck	Reg. No.	Matco.	No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
BAT	21757	21		Body sherds: gray w/ fine medium brown mottle on lower body.	ala	wet	3/10/1999		
BAT	21758	12		Body sherds: buff w/ faint light brown mottle.	양	wet	3/10/1999	- Comme	
BAT	21759	2.1	103	3 Body sherds: brown mottle.	clc	wet	3/10/1999		
BAT	21760	2.1	103	3 Body sherds: pink(sh brown body, light greenish matte.	clc	N.p.I	3/10/1999		
BAT	21761	12	- 00	2 Body sherds: grey/brown	clc	wet	3/10/1999		
BAT	21762	12		Body sherds: grey glaze.	cic	wet	3/10/1999		
BAT	21763	21	673	abraded.	clc	wet	3/10/1999		
BAT	21764	22	, u	2 Sherds of thick stoneware (Southeast Asian?) w/ pinkish outer layer and grey body.	olo	wer	3/10/1999		
BAT	21765	27	-	1 Stoneware sherd.	clc	wet	3/10/1999		
BAT	21766	25	0.	Neck/rim fragment from stoneware jug: Seigburg type w/ cobalt blue decoration around neck.	داد	we:	3/10/1999		
BAT	21767	21	7		cic	wet	3/10/1999		
BAT	21768	23		The state of the s	oje	¥ 01	3/10/1999		
BAT	21769	64	15	Earthenware base fragment, red.	olo	new	3/10/1999		
BAT	21770	91	-		9	wet	3/10/1999		
DAT	21777	61	24	2 Earthanware shords; red,			3/10/89	22/10/1999	
BAT	21772	23	en	2 Majolica shards.			3/10/99	22/10/1989	

BAT 21 BAT 21 BAT 21 BAT 21	21773	200							
		7		Stoneware sherd with line	MABAT	67	66/01/2	18/10/1898	
	21774	23	e-	Westerwald shard; blue/grey.			6/101/9	22/10/1999	
	21775	2	*	Raeren sherd: buff colour.			6/10/88	22/10/1999	
	21776	22	-	Beardman jug body sherd: coarse brown mottle and part medallion w/ coboll blue splash.			6/10/88	22/10/1999	
	21777	24	m	Stoneware jug sherd w/ medium to dark brown mottle.			8/10/98	22/10/1999	
BAT 2:1	21778	57	m				6/10/99	22/10/1999	
BAT 21	21779	100	-	Majolica shard.			6/10/89	22/10/1999	
	21780	22	O.	Earthenware sherds; red, coarse, thick,			6/10/99	22/10/1999	
BAT 21	21781	23		Jug nandle & shoulder	arc		24/2/2001	23/4/2001	WAMM expedition
BAT 21	21782	152		Pot shard	ac		24/2/2001	23/4/2001	WAMM expedition
	21783	21	_	(Beardman?) Jug body sherd	arc		24/2/2001	23/4/2001	WAMM expedition
BAT 21	21784	23	ŧ	Westerwalder jug sherd	ac		24/2/2001	23/4/2001	WAMM expedition
. 50	21785	Ç1	-	Jug handle (beardman?)	ac		24/2/2001	23/4/2001	WAMM expedition
BAT 21	21786	21	7		ac		24/2/2001	23/4/2001	WAMM expedition
BAT 21	21787	21	-	ceramic pot sherd	arc		24/2/2001	23/472001	WAMM expedition
	21788	5	***	pot sherd	orc		24/2/2001	23/4/2001	WAMM expedition
	21789	53	*	Base of apocathery Jar	arc		25/2/2001	23/4/2001	WAMM expedition
	21790	21	*	Base of jug (beardman?)	ac		25/2/2001	23/4/2001	WAMM expedition
	21791	20	-	shoulder/handle fragment (beardman?)	ac		25/2/2001	23/4/2001	WAMM expedition
BAT 21	21792	23	Title .	Beardman medallion fragment	OTO		25/2/2001	23/4/2001	WAMM expedition
BAT 21	21793	21	Ħ	Beardman mask fragment	ono		25/2/2001	23/4/2001	WAMM expedition
BAT 21	21794	č			מכ		25/2/2001	23/4/2001	WAMM expedition

Wreck	Wreck Reg. No.	Matco.	No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
BAT	21795	ξ.	items	Jug body fragment	CIC		25/2/2001	23/4/2001	WAMM expedition
BAT	21796	D)	(13)	3 miscellaneous peramic	ac		25/2/2001	23/4/2001	WAMM expedition
BAT	21797	57	-	Beardman jug medallion fragment	ac		28/2/2001	23/4/2001	WAMM expedition
BAT	21798	50	-	jug body sherd	arc		28/2/2001	23/4/2001	WAMM expedition
BAT	21799	21	ā	4 jug body shard	ac		28/2/2001	23/4/2001	WAMM expedition
BAT	21800	25		Brick, part	ac		24/2/2001	23/4/2001	WAMM expedition
BAT	21801	25	-	Brick	ac		25/2/2001	23/4/2001	WAMM expedition
BAT	21802	25		Brick, part	ac		28/2/2001	23/4/2001	WAMM expedition
BAT	21803	25		Brick, part	ac		28/2/2001	23/4/2001	WAMM expedition
BAT	21804	25		Brick, part	ac		28/2/2001	23/4/2001	WAMM expedition
BAT	21805	25			мават			18/5/2001	Donated 17/5/2001 by Amnesty registrant David Fletcher, 15 Carawatha Ave. Mt. Nasura, WA 6112.
BAT	3918	£	E	1 Pintle for partico.	go	Placed in plastics room, card to Dick Garcia & Lucy	13/4/96	22/4/95	Recovered & donated by Brian A Smith, 132 Franklin Rd , Warmeroo, 6065 Donation form A3072
BAT	3920	44	***	Lead sheathing w/ 3 nail holes.	MA.		3/10/1989	14/1/2000	
BAT	3921	34	CV		MA		6661/01/9	14/1/2000	
BAT	3922	32	2	Button ?			20/2/2001	23/4/2001	WAMM expedition
ВАТ	3923	34	2	Lead ball, Lead sheathing moulded into ball, Possibly used as a weapon (cf 'morning star'). Has square nall holes in it, made after being mouled any shape.			24/2/2001	23/4/2001	WAMM expedition

80

ANCODS 2002: Batavia material registered since 1991

reck	Wreck Reg. No.		Matco.	No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
BAT	3924		4	in	Coins, 1 x 2 cents; 3 x 5 cents; 1 x 10 cents. Australian mint.	MABAT	8	23/2/2001	23/4/2001	WAMM expedition
ВАТ	3925 A, B	A B	in A	(T)	Lade fabricated from sheet lead (A) with head of fron nail in top of curved 'handle' (B)	Mo Mo	Ship Gall, BAT	- :-	23/4/2001	Aquinas College Second Expedition August 1965. Donated by the College in March 1999, Ref. A 3146. See O'Louglin, P.M., 1966. 9
ВАТ	3926		34	-	Piece of lead shaet with two comers folded over; evidence of score marks.	₩ _O	Ship Gall, BAT		23/4/2001	Aquinas College Second Expedition August 1965, Donated by the College in March 1999, Ref. A 3146, See O'Louglin, P.M., 1966: 9
BAT	3927		460	uş.	Molten lead fragments.	8	Ship Gall, BAT		23/4/2001	Aquinas College Second Expedition August 1965. Donated by the College In March 1999. Ref. A 3146. See O'Louglin, P.M., 1966
BAT	3928		32	Ş.	Copper alloy ring.	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	3929		34	(12	Morten lead	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	3930		34		Motten lead	MABAT	Land sites	17/8/1957	9/5/2001	WAM expedition 1957
BAT	3931			T.	Plece of lead which has been cut.	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1987
BAT	3932		34	E.	Small piece of lead formed into a roll	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	3933		34	•	Spoon	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	3934		40		Lead sheeting w/ nail holes (+ 1 Iron nail head) and cut out sections and marks scored into It.	GM	Ship Gall. BAT 18/8/1967	18/8/1967	9/5/2001	WAM expedition 1987
BAT	3935		34		Square of lead, small + iron frage.	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	3936		34		Molten lead	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967

Wreck	Wreck Reg. No.	Matco.	No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
1	-		items						
BAI	3937	34		Prece of crumpled lead - marked '10'	MABAI	Land sites	18/8/1867	9/5/2001	WAM expedition 1967
BAT	3938	3.4	10	Lump of lead	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	3339	34	1	Lump of lead	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacque 1974
BAT	3940	34	e	Lump of lead	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacque 1974
BAT	4633	44		Case bottle base	MABAT		11/5/92	11/5/92	
BAT	4634	40		Bone section: weathered human femur,	MABAT	Land cite storage	1/11/97	16/12/97	Recovered by Sean McGrath (GM education officer) &
									tourists. The 2 bones identified by Juliette Paccoar & Ken Antin Lison
									picked up was a butchered kangaroo bone, from bait?]
RAT	4894	40		Seames (mt surfaces)	MA	First flows	10000		1-96
BAT	4636 A	4.1	•	Bird bone?, very small	MA	First floor	16,6,94		
11	11			tragment		The second secon			
BAT	4636 B	43	5	Bird bone 7, very small long sone	MA	First floor	16.6.94		Missing after return from UWA
BAT	4637	40	ME	Nasal?	MA	First floor	16.6.94		
BAT	4638	40	5	Skull bone? near suture?	MA	First floor	16.6.94		
BAT	4639	41	TE	Bird bone ?	MA	First floor	16.6.94		
BAT	4640	40	-	Scapula?	MA	First floor	16.6.94		
BAT	4641	40	-	Carpal bone, R. os capitatum, SK7	MA	First floor	16,6,94		
BAT	4642	40	7.	Unidentified bone	MA	First floor	16.6.94		
BAT	4643	40	5	Distal end of R. radius, SK11 or SK 7.	MA	First floor	15,6,94		
BAT	4544	40		Long bone or rib fragment	MA	First floor	16.6.94		
BAT	4645	40		Skull bone fragment ?	MA	First floor	16.6.94		
BAT	4646 A	40	E.	Bone fragment.	MA	First floor	16.6.94		
BAT	4645 B	40	*	Long bone fragment,	MA	First floor	16.6.94		
BAT	1 4646 C	40	EN.	Cancellous bone fragments.	MA	First floor	16.6.94		

ANCODS 2002: Batavia material registered since 1991

Wreck	Wreck Reg. No.	Matco.	No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
BAT	4646 D	40		Very small fragment.	MA	First floor	16,6,94		
BAT	4647	40	4"	Vertebra, cervical ?	MA	First floor	16.6.94		
BAT	4648	40	**	Long bone fragment.	MA	First floor	16.6.94		
BAT	4649	40	+	Part of maxilla, left, with canine in situ. Tooth wom on	MA	First floor	16.6.94		SKS
				incisal edge, SK5					
BAT	4650	40	-	Tooth, premolar LP1, Cusps very worn, SK5	MA	First floor	16.6.94		
BAT	4651	40		Right side temporal bone including styloid process, auditory canal etc. SK6	MA	First floor	16.6.94		
BAT	4653	40	*	_	MA	First floor	16.6.94		
BAT	4654	40	-	Unidentified fragment.	MA	First floor	16.6.94		
BAT	4855	0#	1	Skull fragment.	MA	First floor	16.6.94		
BAT	4656	4.1	+-	Sheep tibia part ?	MA	First floor	16.6.94		
SAT	4657	1.7	+	Bird bones ?	MA	First floor	16.6.94		
BAT	4558	40	-	Skull fragment.	MA	First floor	16.6.94		
BAT	4859	40	_	Bone or shell ? tragment.	MA	First floor	16.6.94		
BAT	4660	40	-	Rib tragments.	MA	First floar	16.6.94		
BAT	4661	40	•	First rib R, SK 10	MA	First floor	17.6.94		
BAT	4662	40	+	R. Vertebra, Part of axis, Fits w/ BILS 100,	MA	First floor	17.6.94		
BAT	4663	40	•	Rib fragment.	MA	First floor	17.6.94		
BAT	4664	40		Nasal fragment ? Unid.	MA	First floar	18.6.94		
BAT	4665	9	-	Skull fragment with suture. Fits with frags from spit 6.	MA	First floor	18.6.94		
BAT	4666	40	-	Moiar, Upper right M2. Very worn, SK5	MA	First floor	19.6.84		
BAT	4667	40	**		MA	First floor	19.6.94		
BAT	4658 A	40	400	Skull fragment. Os nasale. SK 5	MA	First floor	19.6.94		
BAT	4000	0 1	44	Skull fragment 3K 5.7	MA	First floor	18.0.84		
BAT	4658 C	24.0	1		MA	First floor	19.6.94		

	Matco.	No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
	40	-	Skull fragment, SK 5.2	MA	First floor	19.6.94		
	40	7	Rib fragment	MA	First floor.	19:6.94		
	40	7	R. scapula, SK10	MA	First flaor	19.6,94		
	0.4		1 L. Humerus, Distal end. SK 10 MA	MA	First floor	19.6.94		
	40	-	1 L. Humerus, Shaft, SK 10	MA	First floor	19.6.94		
	40	eu	2 Long bone fragments? Scapula 7	MA	First floor	19.5.94		
	40	ev	Radius, proximal end and shaft SK 10	MA	First floor	19.6.94		
Ī	40	77	Ulna. SK 10	MA	First floor	19.6.94		
	40	7	R. Temporal zygomatic process, SK 6	MA	First floor	19.6.94		
	40	77	Occipital fragment, SK 6 (Loose piece came away during excavation.)	MA	First floor	19.6.94		
	40	-	Skull, frontal part (calvarium). SK 5	MA	First floor	19.6.94		
	40	٢	Skull, occipital part. SK 5	MA	First floor	19.6,94		
	0	-	Skull fragment. Fits with left side of occipital suture of BAT 4665. SK 6	MA	First floor	19,6,94		
	04	-	Skull pieces, 2 pieces joined by suture; fits with BAT 4680 on left side of skull, masterd area. SK 6	MA	First floor	19.6.94		
	40		Skull tragment. Left side of foramen magnum. SK 6	MA	First floor	19.6.94		
	40	#	Skull fragment, ? fils w/ SK 5 (?)	MA	First floor	19.6.94		
	4.1	٠	Animal bone, unid.	MA	Upstairs	19.6.94		
	40	*	Vetebra, cervisol, fragment.	MA	First floor	17.6.94		
	40	+	Skull, SK?	MA	First floor	17.6.94		
	40	425	3 Ulmidentified bone frags.	MA	First floor.	17.6.94		

t/)

ANCODS 2002: Batavia material registered since 1991

11/7/02

×	Wreck Reg. No.	Matco.	so. No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
-	4688	A	4.1	1. Unid. animal bone frag.	MA	Upstairs	15.6.94		
-	4688	m	1	1 Unid, animal bone frag.	MA	Upstairs	16.6.94		
	4689	-	40	3 Unid. bone frags.	MA	First floor	16.6.94		
	4690		40	1 Phalange, Proximal,	MA	First floor	17.6.94		
	4691		4.1	1 Tooth.	MA	Upstairs	17.6.94		
- 1	4692	ω.	40	1 Carpal bone, R. Os trapezium, SK 7	MA	First floor	17.6.94		
	4692 C		40	1 Carpal bone, L. Os hamatum. SK 7	MA	First floor	17.6.94		
	4692	0	40	1 Distal end of metacarpal/tarsal bone.	MA	First floor	17.6.94		
	4692	A	41	1 Unid, bone	MA	Upstairs	17.6.94		
	4693	A	40	1 Vertebra, fragment.	MA	First floor	17.6.94		
	4693	m		11 Unid. bone fragments.	MA	First floar	17.6.94		
7	4694		40	7 Unid, bone fragments.	MA	First floor	17.6.94		
	4695		40	1 Unid, bane fragment.	MA	First floor	17,6,94		
	4696		40	1 L. First rib. SK 10	MA	First floor	18.6.94		
	4697		1.4	3 Bird bone fragments?	MA	Upstairs	18.6.94		
	4698		40	3 Unid, human bone fragment (+ 2 non-human)	MA	First Noor	18.6.94		
	4699		4.1	1 Tibia, articular surface. (Animal ?)	MA	Upstairs	18.6.94		
	4700		40	4 Unid, bone fragments.	MA	First floor	18.6.94		
1	4701		41	2 Bird ? fragments.	MA	Upstairs	18.6.94		
	4702		4.1	1 Ramus.	MA	Upstairs	19.6.84		
	4703	-	0 4	1 Lower jaw fragment. (? Animal).	MA	First floor	17.6.94		
	4704		40	1 Second rib .(? Animal)	MA	First floor	17.6.94		
	4705	5	F 4	1 Tooth with root. Animal	MA	Upstairs	17.6.94		
	4706		40	3 Skull fragments, 1 x fragment of SK 5	MA	First floor	18.6.94		
	4707		40	1 Mandible fragment, ??Unid.	MA	First floor	18.6.94		
	4708	370	10 10	3 Unid. small fragments.	WH	First Hoor	10.0.34		
Г	4709		20	3 L First rib .liruenile	MA	First floor	18 8 04		

ANCODS 2002; Batavia material registered since 1991

	2.9	10	29	2.9	1967	1967	1967	1967	67	19	67	67	4.	ou												lugh on The anly sonal
Notes	WAM expedition 1967	WAM expedition 1967	WAM expedition 1967	WAM expedition 1967					WAM expedition 1967	WAM expedition 1967	WAM expedition 1967	WAM expedition 1967	WAM Bevacqua 1974	From small concretion	From Inside reef	From inside reef	From inside reef	From inside real	From inside reaf	From Inside reef	From inside reef	From inside real	From inside reef	From Inside reef		Amnesty donation Hugh Edwards, 5 Hooly St., Swanbourne, Donation certificate A3136, The only Bat Reals, prob. personal
Date Reg. N	9/5/2001 M	9/5/2001 M	9/5/2001 W	9/5/2001 M	9/5/2001 W	9/5/2001 W	9/5/2001 W	9/5/2001 W	9/5/2001 W	ш.		112	L	14.	ш.	ш	Œ	11_	14.	IL.	30/6/93	1/4/98 E				
Date found	17/8/1967	17/8/1967	17/8/1967	17/8/1967	17/8/1967	17/8/1967	17/8/1967	17/8/1967	18/8/1967	18/8/1967	18/8/1967	18/8/1967	5/2/1974	23/10/91	7/5/92	7/5/92	7/5/92	7/5/92	7/5/92	7/5/92	7/5/92	7/5/92	11/5/92	12/5/92		1/1/1980
Loc2	Land sites	Land sites	Land sites	Land sites	Land sites	Land sites	Land sites	Land sites	Land sites	Land sites	Land sites	Land sites	Land sites												Ship Gall, BAT	
Musco	MABAT	MABAT	MABAT	MABAT	MABAT	MABAT	MABAT	MABAT	MABAT	MABAT	MABAT	MABAT	MABAT	MAB2	MAB2	MAB2	MAB2	MAB2	MAB2	MAB2	MAB2	MAB2	MAB2	MAB2	MD	MASH
Description	Bone fragments	Bone pieces	Charred bone	Charred bone	Bones	Bones	Bones	Bones	Bones	Bones	Bone (1) and Iron fragments	Bone (1) and iron fragment	Bottle glass fragment		Coin Taler,3/4	Coin	Coin pieces making 1 coin			Coin	Coin	Coin	19 Coin fragments	Coin , Ducaton 1620	Coin concretion. Confirm ID and registration.	Eight Beals cob. Minted Toledo , Spain. ND c.1590,O(-), M. VII(I). Condition. VG
No.	23	4	-		89			41	Ø	10		EV2	+	-			CI	-	+	-	1	1	1.9	-	-	-
Matco,	4	41	41	1.4	4.1	1.4	41	41	4.1	41	1.4	1.4	44	53	īō	15	52	51	in	51	31	150	5.1	5.5	51	ii.
														z	z	z	Z	Z	z	z	z	z	z	z	z	ž
Wreck Reg. No.	4749	4750	4751	4752	4753	4754	4755	4756	4757	4758	4759	4760	4761	5073	5074	5075	5078	5077	5078	5079	5080	5081	5082	5083	5084	7725
Wreck	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT

Wreck Reg. No.	. No.	Ma	Matco.	No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
Ò				tems						
	7726 NM	*	Ę	1	Two Reals cob. Minted Seville	MASH		17/1/1960	1/4/98	Amnesty donation Hugh
					, Spain, NVD Condition, P					Edwards, 5 Hooly St.,
					eroded, Mint mark Sea					Swanbourne. Donation
		_			Anemone.					certificate A3130. The only
										Bat Reals, prob. personal
										property. Amnesty
			1							registration 4145
	7727 NM	N	51	E	Two Reals cob, Spanish	MASH		1/1/1960	1/4/98	Arrinesty donation Hugh
					Metropolitan mint					Edwards, 5 Hooly St.,
					unidentified, Condition, P.					Swanbourne, Donation
					eroded					certificate A3130, The only
										Bat Reals, prob. personal
										property. Amnesty
										registration 4144
	7728 NM	5	5	<u></u>	Two Reals cob. Spanish	MASH		1/1/1960	1/4/98	Amnesty donation Hugh
					Metropolitan mint					Edwards, 5 Hooly St.,
					unidentified. Condition. P.					Swanbourne, Donation
					eroded					certificate A3130. The only
										Bat Reals, prob. personal
										property. Amnesty
										registration 4146
- 101	6507		67	-	Wooden Ship Model of East	NW/B	S.		4/3/92	Stocktake specimen
					Indiaman 'EDAM',					1996/1997/1998/1999
										/2000/2002 [Procedure 3].
	-									Original red K56.
	8099		6.4	<u> </u>	Wood from champlate	CWA	23.3.93		23/3/93	Found wreck site -
										unlabelled chainplate,
										recovered after de-
										concretion,
	6209		67	=	Small piece of burnt twig ?.	MABAT	Land Sites: We	The same of the sa	23/4/2001	Aquinas College Second
										Expedition August 1965.
										Donated by the College in
	-37									March 1999, Hef. A 3145.
	au.									See O'Louglin, P.M., 1964,
										1988

				eeu	£0.		Ju.									mel
Notes	WAM expedition 1967			Batavia wreck site, has been unnumbered in collection, w/ no conservation treatment	From inside reaf, unknown, unnumbered or lost tag. To be used for experiment s, Jon.	Found inside reef	Found inside real unknown, cast hole	Found inside reef, unnumbered lost tag	Batavia inside reef 1992	Unknown presumed to be BAT, returned cons, numbered BAT 4363- barrel stave pieces Not seen by ANCODS.						
Date Reg.	9/5/2001	31/1/91	21/10/91	21/10/91	7/11/91	7/11/91	7/11/91	7/11/91	12/5/92	12/5/92	12/5/92	12/5/92	12/5/92	12/5/92	12/5/92	17/8/92
Date found	18/8/1967															
Loc2	Land sites						TUB 42 WET RO	TUB 42 WET RO	TUB 68 WET RO	TUB 68 WET PK	TUB 68 WET RO	TUB 68 WET RO	TUB 68 WET PIC	TUB 68 WET RC	TUB 68 WET RC	3
Musco	MABAT	MAW		MADS		CWA	CWU	CWI	OWI	OWN	CWD	CWD	OWO	CWG	CWC	MAB
Description	Piece of wood	Cannon ball fragments from bore of cannon, 3637 - bronze from Beacon Is.	Concretion from bore of BAT 80359	Canister shot: 2 sections and connecting concretion.	Bolt concretion	Timber w/ iron bott	Bolt concretion w/ some wood attached	Concretion for investigation	Bolt Concretion	Chain plate concretion	Chain plate concretion	Chain plate concretion	Chain plate concretion	Chain plate concretion	Chain plate concretion	Nais
No.	-	+	+	CA.	*	**	+=	ψ.		1	-	-	-	1	1	4
Matco.	φ	88	86	, o	82	10	8	86	100	86	86	86	80	86	86	82
Reg. No.	6510	80369	80370	80371	80372	80373	80374	80375	80376	80377	80378	80379	80380	80381	80382	80383
Wreck Reg. No.	BAT	ВАТ	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT	BAT

	ž.		T.	52	C	7 P	se N.	
Notes	Unknown, presume to be BAT II. returned from cons BAT 3082 pewter spoon handle.	Found BAT wreck site, returned cons no no.	Found BAT wreck site, lost tag	Found BAT wreck site, was in a concretion.	8/5/93 Anonymous Annesty donation, Found on beacon island.	Lost tag. Fragmented after cons. Destructive analysis J Carpenter, Peter Body	Amnesty Donation: R A Robertson, Ref. A1880 Woodlands' Russel Rd, Balingup, Recovered 1981/2 structura[Fort], Has had some sort of coating.No	Amnesty Donation: R A Robertson. Ref. A1880 "Woodlands' Russel Rd, Balingup. Recovered 1981/2 I structure[Fort]. Has had some sort of coaling. No coast.
Date Reg.	17/8/92	18/8/92	23/3/93	20/4/93	8/5/93	10/5/93	16/3/94	16/3/94
Date found								
Loc2				Storage	Vlamingh		Iron storage	Iron storage
Musco				MA	MMA	£	MABAT	MABAT
Description	Fastening nail fragment	Cannon ball: interestingly worn.	Chain plate	Weight, cast iron	Iron cuttass, wood and copper handle, connected with iron fastenings. End of blade is a small separate piece. Only grip section of handle remaining.	Cannon ball: large.	13 Strap fragments small: Iron,	fragments.
No.		रह:	-	(स्ट-	E	-	m m	r-
Matco.	83	81	82	84	08	æ	a 4	60 44
Wreck Reg. No.	80384	80385	80386	80387	80388	80389	06608	80391
Wreck	BAT	BAT	BAT	BAT	ВАТ	BAT	BAT	ВАТ

Wreck	Wrack Reg. No.	Matco.	No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
BAT	80392	ф 4	#	Nall sections; Iron & fragments.	MABAT	Iron storage		16/3/94	Amnesty Donation: H. A. Hobertson, Ref. A1880 'Woodlands' Russel Rd, Balingup, Recovered 1981/2 West Wallabi Is - Coastal structure[Fort]: Has had some sort of coating. No cons
BAT	80393 A	0	cs:	Needle sections; trlangular, fron.	MABAT	Iron storage		16/3/94	Amnesty Donation; R A Robertson, Ref. 41880 "Woodlands' Russel Rd, Balingup, Recovered 1981/2 West Walfabi Is - Coastal structure(Fort) Has had some sort of coating.No
BAT	80393 B	833	EV.	Strap sections from barrell iron.	МАВАТ	Iron storage		16/3/94	Amnesty Donation: R A Robertson, Ref. A1880 Woodlands' Russel Rd, Balingup, Recovered 1981/2 West Waltabi is - Well near inland structure. Has had some sort of coating No cons
BAT	80395	85	2	Gudgeon concretions	MA	Top BAT stora		31/5/84	Has this been previously registered?
BAT	80395 R	287	1.	Gudgeon section, cast of concretion.	MWB	Hull		31/5/84	
BAT	80397	25	×	Cannon ball.	MMV	2 Diorama		21/6/95	lost lag re-registered.
BAT	80398	-8	**	Cannon ball.	MMV	2 Diorama		21/6/95	Lost tag re-registered.
BAT	80389	8.1	100	Cannon ball.	NAMA	2 Diorama		21/6/95	Lost tag re-registered.
BAT	80400	63	4	Cannon ball.	TANK.	2 Diotains		21/0/35	Lost tag remenjistered.
BAT	80401	63	10	Cannon ball (re-registered.)	CWI	STUDENTS		29/8/95	Lost tag re-registered

Wreck Heg. No.	Marco.	NO.	Description	Musco	7007	Dane lound	Care wind	40160
		items						
BAT 80402	180	15	Cannon ball(re-registered.)	CWC	STUDENTS		29/8/95	Lost tag re-registered
BAT 80403	81	911	Cannon ball(re-registered:)	CWG	STUDENTS		29/8/95	Lost tag re-registered
BAT 80404	1.8	377	Cannon ball (re-registered.)	OWO	STUDENTS		29/8/95	Lost tag re-registered
BAT 80405	69	25	Cannon ball (re-registered.)	CW?	STUDENTS		29/8/95	Lost tag re-registered
BAT 80486	90	-	Cannon ball (re-registered.)	CWO	STUDENTS		29/8/82	Lost tag re-registered
BAT 80407	8.1	477	Cannon ball(re-registered.)	CWO	STUDENTS		24/8/95	Lost tag re-registered.
BAT 80408	8.1	77	Cannon ball	田	BOX 6		28/9/95	Un :egistered
BAT 80409	98	0	Concretion fragments from	MAWG			31/1/81	
			Beacon Is.					
BAT 80410	18		Cannon ball: medium	MMB6			31/1/91	
BAT 80411	8.1		Cannon ball: medium	MMB7			31/1/91	
BAT 80412	- CO		Cannon ball: medium	MMB7			31/1/91	
BAT 80413	189		Cannon ball: medium	MMB7			31/1/91	
BAT 80414	81		Cannon ball medium	GM	Ship Gall		31/1/91	
BAT 80415	1 8		Cannon ball, medium	MMB7			31/1/91	
BAT 80415	+60		Cannon ball: medium	MARS7			31/1/91	
BAT 80417	8.1		Cannon ball: medium	MMB7			31/1/91	
BAT 80418	181		Cannon ball: medium	MMB7		l l	31/1/81	
BAT 80419	8.1		Cannon ball: medium	MMB7			31/1/91	
BAT 80420			Cannon ball; medium	MAWG			31/1/81	
BAT 80421	8.1		Cannon ball: medium	MMB7			31/1/81	
BAT 80422	8.1		Cannon ball: medium	NMB7			31/1/91	
BAT 80423	8.1		Cannon ball: medium	MMB7			31/1/81	
BAT 80424	81		Cannon ball: medium	MAWG			31/1/91	
BAT 80425	8.1		Cannon ball: medium	MMB7			31/1/91	
BAT 80426	8.1		Cannon ball: medium	MMB7			31/1/91	
BAT 80427	-		Cannon ball: medium	MIMB7			31/1/81	
BAT 80428	8 3		Cannon ball; medium	MMB6			31/1/91	
BAT 80429	600		Cannon ball: medium	MM/B6			31/1/81	
BAT 80430	8.1		Cannon ball: medium	MMB6			31/1/91	
BAT 80431	± 00		Cannon ball: med/um	MMB6			31/1/91	
BAT 80432			Cannon ball: medium	MMBS			31/1/91	
DALTO TAB	- 6		Courses hall deadline	MANAGE				

ANCODS 2002: Batavia material registered since 1991

Vreck	Wreck Reg. No.	Mea	Matco.	No.	Description	Musco	Loc2	Date found	Date Reg.	Notes
BAT	80434		£ 89		Cannon ball: medium	S.	Ship Galf		31/1/91	
BAT	80435		1.8		Cannon ball: medium	MAWG			31/1/91	
BAT	80436		8.1		Cannot ball: medium	MMB6			31/1/91	
BAT	80437		8.1	٦	Cannon ball, medium	MMB7			31/1/81	
AT	80438		60	-	ion from iron ring and	MABAT	3	3/10/99		
			1		shackle.					
AT.	80439		60		Concretion from head of bolt, MABAT	MABAT	ಶ	3/10/88		
BAT	80440		82		Iron spike			24/2/2001	23/4/2001	WAMM expedition
BAT	80441		82	EU.	Iron spike			24/2/2001	23/4/2001	WAMM expedition
BAT	80442		82		Nails in concretion			23/2/2001	23/4/2001	WAMM expedition
BAT	80443		98	•	Iron concretion			25/2/2001	23/4/2001	WAMM expedition
BAT	80444		96	CA	fron concretion (1 object)			25/2/2001	23/4/2001	WAMM expedition
BAT	80445		86	E	Iron concretion			25/2/2001	23/4/2001	WAMM expedition
BAT	80446		86	777	Iron concretion, Circular (nail			25/2/2001	23/4/2001	WAMM expedition
					impressions ?)					
	80447		86	72	tron rail			25/2/2001	23/4/2001	WAMM expedition
ВАТ	80448	A-F	67	ω	fragments - large . 30 mm diam	8	Ship Ga%, BAT		23/4/2001	Aquinas College Second Expedition August 1965, Donated by the College in March 1999, Ref. A 3146, See O'Louglin, P.M., 1964,
+	07770	N. C.	0	4.4			PAG THE CALL		***********	1966
9	808 A B B B B B B B B B B B B B B B B B B	¥.	N N	8	shanks) - medium heads c. 20 mm diam	8	Smp Gall BA		23/4/2001	Aquinas College Second Expedition August 1965 Donated by the College in March 1999, Ref. A 3146, See O'Louglin, P.M., 1964,
BAT	80450	155	82	5	13 Iron nall fragments (heads and shanks) - heads c. 13 mm diam	WO GW	Ship Gall, BAT		23/4/2001	Aquinas College Second Expedition August 1965. Donated by the College in March 1899, Ref. A 3146. See O'Longlin, P.M., 1964.

ě.

Wreck	Wreck Reg. No.	Matco.	No.	Description	Musca	Loc2	Date found	Date Reg.	Notes
ВАТ	80451	82	7	fragment (1)	8	Ship Gall, BAT		23/4/2001	Aquinas College Second Expedition August 1965. Donated by the College in March 1999. Ref. A 3146, See O'Louglin, P.M., 1964,
BAT	80452	89	60	fron nails, small with bent ends (3) and shank fragments (5). Nails appear to have been bent to form fish hooks.	W	Ship Gall, BAT		23/4/2001	Aquinas College Second Expedition August 1965. Donated by the College in March 1999. Ref. A 3146. See O'Louglin, P.M., 1964,
BAT	80453	82	e	Nail fragments	MABAT	Land siles	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80454	82		Nall heads	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80455	82		Bent nal/	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80456	82		Nails and metal fragments	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80457	82	17	Nail pieces	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80458	82	D	Nail fragments	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80459	82	-	Nail fragment	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80460	82			MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1957
BAT	80461	82	ch	Iron spike pieces	MABAT	Land sites	17/8/1987	9/5/2001	WAM expedition 1967
BAT	80462	82	e	Bent naif	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80463	82		Nall, metal frags + 1 piece bone	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80464	82	-	Nail head	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80465	82	*	Nail shank	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80466	82	C/I	Nail fragments	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80467	82	-	_	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80468	82	52	iron fragments	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1957
BAT	80469	85	×	_	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80470	60		Iron fragments	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80471	82	-	Nail	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80472	0)	1	NEW	MARAT	Tand ellec	17/8/1967	975/2001	WAM expedition 1967

ANCODS 2002: Batavia material registered since 1991

reck	Wreck Reg. No.	Matoo.	No.	Description	Musco	L062	Date tound	Date Reg.	Notes
BAT	80473	82	9	Iron fragments	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80474	8.2		fron nail fragments	MABAT	Land sites	1778/1967	9/5/2001	WAM expedition 1967
BAT	80475	82		Large iron nail, fragment	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80476	82		Iron frags + bone (1)	MABAT	Land sites	17/8/1957	9/5/2001	WAM expedition 1967
BAT	80477	82	370	Nall head	MABAT	Land sites	17/8/1967	9/5/2001	WAM expedition 1967
BAT	80478	82		Iron fragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80479	82		iron fragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80480	82		Iron fragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80481	82	数	fron fragment	MABAT	Land sites	18/8/1987	975/2001	WAM expedition 1967
BAT	80482	82		Iron fragment	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80483	82		fron fragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80484	82		fron fragments	MABAT	Land sites	18/8/1967	97572001	WAM expedition 1967
BAT	80485	82	4	fron fragments (3) + charcoal	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80486	82	8		MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80487	82	CA	Nail head (1) + shell (1)	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80488	80	N	Nail heads.	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80489	828		Nail Read	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80490	82		Iron fragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80491	82		Iron tragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80492	82		Nail nead	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80493	82	යා	Iron fragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1957
BAT	80494	82		Nail head + fragments	MABAT	Land sites	18/8/1967	8/5/2001	WAM expedition 1957
BAT	80495	82		Nail tragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80496	8.2		fron fragment	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80497	82		Iron fragments	MABAT	Land Sites	18/8/1967	19/5/2001	WAM expedition 1967
BAT	80498	82		fron fragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80499	82		Iron fragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80500	82		Iron fragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80501	82		Iron fragments	MABAT	Land sites	18/8/1967	9/5/2001	WAM expedition 1967
BAT	80502	82		fron fragments	MABAT	Land siles	17/8/1987	9/5/2001	WAM expedition 1967
BAT	80303	63		TVall Insed	MABAIL	Edited Siles	17/8/1967	9/5/2001	WAM expedition 1967
BAT	SOSOA	82		Iron franconts	MARAT	Land eithe	17/8/1027	67879001	WALL American 1027

eck	Wreck Reg, No.	Matco.	No.	Description	Musco	Loc2	Date tound	Date Reg.	Notes
F	80505	0	items	kno fracmante.	MARAT	only of the	17/8/1067	01529001	Wall Bousenie 1074
4	0 0	1 4		Ottom Hand House	1			2000	The second second
DAI	90008	79		Nail	MABAI	Land sites	5/2/18/4	9/5/2001	WAM Bevacqua 1974
BAT	80507 A-F	82		Iron fragments	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80508	82		Nail	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80208	82		Nail	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80510 A-C	00 C1		Iron fragments	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80511	82		Naci	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80512	82		Nail	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80513	80		Nad	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80514	82		Iron fragment	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80515	82		New	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80516	82		Nail	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80517	82		Knife handle or Hinge (?)	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80518 A-E	82		Iron fragments	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80519	54		Nail	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80520	82		Iron fragment	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80521	82		Nau	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80522	84		Barrel hoop fragment	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80523	82		Nail	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80524	82		Nail	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80525 A-B	82		fron fragments	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80526	82		Barrel hoop, remnant	GM	Ship Gall, BAT	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80527 A-O	84		Barrel hoop fragments	MABAT	Land sites	5/2/1974	9/5/2001	WAM Bevacqua 1974
BAT	80528	84		Barrel hoop, fragments	MABAT	Land sites	5/2/1974	9/5/2001	WAM Beviacores 1974

		ł					Ì	Ī	ļ			Ī			Į								Ī		ı			
Notes		Amnesty donation	Amnesty donation	Amnesty donation	Amnesty donation	Donation	Donation	Donation	Donation	Donation		Donation		Donation	Donation	Donation		Donation		Amnesty donation	Edwards coin site	Donation	Donation	Donation	Donation	Donation	Donation	
Date heg.	31/7/2001	14/3/94	14/3/94	14/3/94	14/3/94	12/12/94	10/2/97	14/2/2000	17/9/2001	17/9/2001	CONTRACTOR OF THE PARTY OF	17/9/2001		17/9/2001	17/9/2001	17/9/2001	14/12/2001	30/11/93		14/2/94	4/1/96	3/7/96	17/9/2001	17/9/2001	17/9/2001	17/9/2001	17/9/2001	7/1/93
Cate round	27/10/99																				30/12/95							7/1/85
T007		8	83	2	5													Lead	storage?		for analysis to CLM	4						
MUSCO		MAGT	MAGT	MAGT	MAGT	OWC	MAB1	NIMM	MAB1	MABI		MABI		MABT	MAB1	MABI	CWA	MAGT		l l	MA	MAAR	MABI	MABI	MABI	MABI	MABI	MAGT
nescription	Stone with iron concretion attached	Brick	Brick.	Brick.	Jug sherds; floral medallion.	Brick	Brick section	Brick	Tile fragment	Beardman Jug neck Including		North V	of the House of Van der Lippe	Jug base/body sherd	Body sherd of stoneware jug	neck/rim sherd of vessel	Cauldron, side section, copper	Lead filling from inside	something	Musket balls 14 mm diam	Bird shot: lead,	Collar of pewter cap w/ external thread, some glass in	Lead roll		Bottle cap/top	Bottle neck	Copper sheet and concretion	Glass fragments, case bottle
items	-	11.		-	2	**	1	#	÷	-		-		-	,		5	-		0	60	Ť	-	2	-	+	22.5	4
Matco.	60	25	25	25	27	25	10	25	26	2.1		2		22	21	23	32	34		34	34	88	34	34	93	33	32	4.4
Heg. No.	1549	2203	2204	2205	2206	2207	2208	2209	2210	2211		2212		2213	2214	2215	3173 b	3174		3175 b	3176	3177	3178	3179	3180	3181	3182	4143
Wreck	E G	टा	GT	GT	टा	GT	GT	5	5	CIT.		to de	Ī	ट	5	5	GT GT	5		GT	GI	وا	ST	to	5	ם	GT	5

Notes						EXAFP	ExAFP	EXAFP	From conc. 2169						Donation	Donation	Amnesty Donation	Donation					Donation	Donation
			ļ			ă	ă	ă	F						å	Do	An	ğ						
Date Reg.	7/1/93	7/1/93	7/1/93	7/1/93	7/1/93							30/10/91	30/10/91	30/10/91	14/2/94	6/4/94	16/5/94	12/2/94	14/8/95	24/3/97	24/3/97	24/3/97	17/9/2001	17/9/2001
Date found	7/1/85	7/1/85	7/1/85	7/1/85	7/1/85	3/4/81	1970	1970	1/9/88	18/5/89	8/8/89													
7007												Tankd	Tank J	TankJ				Vlaming	Tank J & Sophie, sort.		MAGT			
Musco	MAGT	Nam										980	Ord	88		MAGT		MAN	g	MAGT	ज्व जिल्ला	MAGT	MAB1	MAB1
Description	Seeds	20 Seeds, 20 approx on display	32 Amber	1 Leather/wood sword scabbard	Leather tragments	3 Giass fragments, case bottle	2 Glass fragments, case bottle		Fabric, woollen, woven, felted	Seeds from concretion of billet box	Glass fragment	Elephant tusk	Elephant tusk tip	Elephant tusk	Elephant tusk	Elephant fusk section, turned & polished	Elephant tusk	Elephant tusk.	Elephant tusk section,	Fossilized amber (not pitch) see 4162 S		Fossilized amber	Green glass bottle body/base? MAB1 sherd	Green glass case bottle body
No.	410	20	32	*		60	CV	-		+	-	÷	+	٠	-		1	*	CN	0	0	es	6 -	-
Matco.	42	42	43	46	46	24.4		4.1	47	42	44	4.5	41	41	4.1	4.1	4.1	1.0	4 1	43	43	43	44	44
Reg. No.	4144	4144	4145	4145	4147	4148	4149	4150	4151	4152	4153	4154	4155	4156	4187	4158	4159	4160	4161 a-b	4162	4162 a	4162 s	4163	4164
Wreck Reg. No.	5	15	5	to d	15	15	टा	15	टा	15	GT CT	55	5	5	GT.	15	<u>et</u>	GT	EJ.	टा	GI	GT	EE CEL	5

	Ī	Ì	I						Ī				Į				Ī								Г				٦
Notes	Donation	Donation																											
Date Reg.	17/9/2001	17/9/2001	23/6/92																								27/3/91	27/3/91	
Date found			1/3/88																										
Loo2																											3/6/94. Packaged w/ 6130 + 6106	3/6/94. Packaged -	OWN DOX
Musco	MAB1	MAB1	MAGT																								5	5	
Description	Case bottle body/neck shard	Animal bone (rib?)		Sacrificial planking pieces	Timber, 26 cm, soft	Small limber pieces	Timber piece, 45 c,	Small timber pieces + barel	stave fragments	Sacrificial planking	Wood fragments	Small timber fragments	Timber concretion ?	Sacrificial planking	Timber	Barrel stave fragments,	Including 2 lid fragments.	Various size barrels.	Timber fragments	Wood wedge (cf GT 1069)	Timber pieces	Treenail	Bark fragment	Barrel stave		experiments	Billet crate; plank, lid	Billet crate: lid frags	
No.			2	3	*	7	-	62								47			12		N	1	*		C4			en)	
Matco.	44	41	63	61	61	9	61	62/63		61	61	61	61	61	61	63			61	61	61	63	99	63	19		φ φ	89	
Wreck Reg. No.	4165	4166	6137	6138	6139	6140	6141	6142		6143	6144	6145	6146	6147	6148	6149			6150	6150 A	6151	6152 A	6152 B	6153	6154		900	6156	1
Wreck	5	5	5	15	15	ct	t5	15		टा	GE	टा	CH CH	5	5	5			GT	GT	5	GT	GT	ट्ट	GT CT		5	5	

	Matco.	No.	Description	Musco	Locz	Date found	Date Reg.	Notes
6157	63		Billet crate: misc frags	5	3/6/94. Packaged.		27/3/91	
6160	61	4	Sacrificial sheathing, do not fit together				20/8/91	
6161	61	63	Timber pieces, do not fit together				20/8/91	
6162	61	63	Timber piaces, poor condition	8			25/5/98	
8052	82	77	Cannon ball			1970	14/2/94	Donation
8053	82	1	Iron bolt and concretion			27/10/99	31/7/2001	
8054	82		Iron boit conglomeration			27/10/99	31/7/2001	
8055	52		Iron bolt conglomeration attached to limestone			27/10/99	31/7/2001	
8056	82	2	Iron fastening			27/10/89	31/7/2001	
8057	82	7	Iron fastening			27/10/99	31/7/2001	
8028	88	2	Iron fragments			27/10/99	31/7/2001	
8059	82	•	Iron fastening			27/10/99	31/7/2001	
8060	82		Iron fastening			27/10/99	31/7/2001	
8061	82	3	Iron fastening (small concreted nail)			27/10/99	31/7/2001	
8062	82	1	Iron fastening			27/10/99	31/7/2001	
8063	82		Iron fastening.			27/10/99	31/7/2001	
8064	82		Iron bolt head			27/10/99	31/7/2001	
8065	82		Iron bolt head			27/10/99	31/7/2001	
8066	81	-	Cannon ball	MABI			17/9/2001	Donation

Wreck Reg. No.	Matco.	No.	Description	Musco	Loe2	Date found	Date Reg.	Notes
2582	12	4	Wall sherds.	MAZW	5	12/3/91		Donated
5584	44	- 43	Case bottle wall shards. MAZW	MAZW	8	12/3/91		Donated
2	44	-		MAZW	8	12/3/91		Donated
5586	44	63	Wine glass bowl fragments	MAZW	Glass	12/3/91		Donated
5587	44	100	Wine glass stem. Similar to 100 MAZW	MAZW	8	12/3/91		Donated
5588	27	CH		MAZW	5	12/3/91		Donated
	27	11		MAZW	5	12/3/91		Donated
5590	27	78	Clay pipe stem fragments.	MAZW	ວົ	12/3/91		Donated
	32	5		MAZW	8	12/3/91		Donated
OI.	32	ē	Button - brass, conical	MAZW	3	12/3/91		Donated
5593	34	, i	Fishing sinker - 3 holes	MAZW	8	12/3/91		Dorated
at	84	64	Flat iron strap fragments	MAZW	8	12/3/91		Donated
5595	82	2	Nail fragments	MAZW	8	12/3/91		Donated
5596	82	2	Botthead, bolt fragment	MAZW	8	12/3/91		Donated
5597	82	7	Ring section	GM	Ship Gall, ZW	12/3/91		Donated
5598	32	LC.	Copper Irags, 3x., 2xcopper stri MAZW	MAZW	3	12/3/91		Donated
5599	4.1	•	Bone bead (as ZW 254)	MAZW		12/3/91		Donated
5600	64	-	Sheave	CWA		14/5/92		
5601	61	7.0	Timber w/ remains of iron faste CWA	CWA		15/5/92		
5602	32	C	Sheathing-wood- w/ Iron concre			15/5/92		
5603	61		tack holes.	MAZW	8	15/5/92		
5604	32	+	Sheathing patch and tack: joine MAZW	MAZW		14/5/92		
5605	1	2.0		MAZW		14/5/92	14/5/92	
5606	44	**	bottle top section	MAZW	5	14/5/92		
5607	학	40	Onion bottle - 4 neck, 1 base, 1	MAZW	8	14/5/92		
m	84	20	Billet samples- square + flat.	OWO		14/5/92		
5609	98	#	Concretion from cannon.	OW		14/5/92		
5610	20	ť	Cannon ball fragment.	OW.		14/5/92		
5611	82	5	Concretion lump from nall barre	NO.		14/5/92		
5612	82	ゼ	Concretion tumps from nail barry			14/5/92		
5613	44	5	Case bottle base + bottle tragm MAZW	MACW	5	14/5/92		

Wreck Reg. No.	Matco.	No.	No. Description	Musco	Locz	Date found	Date Reg.	Notes
5614	27		Ciay pipe stem w/ roulette patti MAZW	MAZW		15/5/92		
5615	27	E	Clay pipe stem.	MAZW	5	15/5/92		
5616	2	•		MAZW	5	15/5/92		
5617	44	ಶ		MAZW	N		1/11/93	Amnesty donation
5618	44	-	Case bottle base.	MAZW	2		1/11/93	Amnesty donation
5819	32	•	Cauldron or 'Kettle', copper. Side missing, Wall made from c. 3 sheets of copper w/ c. 55 mm overlaps & vertical rivets (x 7-8)@ 20 mm diam. Rolled rim. Base made from single copper sheet raised 135 mm up side of wall sheets and rivetted w/c.	МА	Top Perth Cabinets		6/1/94	Amnesty donation
5620	61	-	Timber with iron nails and cautifing				10/5/94	Amnesty donation
5621	21	**	Stoneware jug, small				20/8/84	Donation
5622	21	in.	Stoneware jug base sherd. Dark grey body.					Amnesty donation
5623	12	F	Stoneware jug wall sherd. Light grey body.					Amnesty donation
5624	2.1	+	Stoneware jug wall sherd, Buff body,					Amnesty donation
5625	2.1	•	Stoneware jug, handle section. Cream body.					Amnesty donation
5626	21	-	Stoneware jug base, Buff body, glaze eroded,					Amnesty donation
5627	21	CI						Amnesty donation
5628	21	4						Amnesty donation

								*	2
Notes	Amnesty donation	Amnesty donation	Amnesty donation	Amnesty donation	Amnesty donation	Donation	Donation	Stokes coll, Deed of Gift, Nicholson Museum, Sydney University	Stokes coll. Deed of Gift, Nicholson Museum, Sydney University
Date Reg.						1/2/99	1/2/99	28/5/99	28/5/99
Date found Date Reg.								24/4/1840	24/4/1840
L002						-	23	Ship Gall, ZW 24/4/1840	Ship Gall. ZW 24/4/1840 16
Musco						MAZW	MAZW	ON	W G
No. Description	Stoneware jug wall sherds. Grey body, light brown glaze,				Stoneware jug sherds, 1 with part wheatsheaf medallion.	Clay pipe bowl w/ 'SVS' heelmark.			Tumbler engraved w/ scallop design around rim, alternating cross hatch and opaque w/clear rectangle, inverted flowers and circles [Ref. A3150].
No.	15	M:	φ)	Q	N)	1	e .	-	-
Matco.	21	21	21	21	21	27	44	F.S.	44
Wreck Reg. No.	5629	5630	5631	5632	5633	5634	5635	5636	5637
Wreck	MZ	ZW	MZ	WZ	ZW	ZW	ZW	WZ	A

-		-
Notes	Stalves call, Deed of Giff, Nicholson Museum, Sydney University	
Date Reg.	8/5/2001	
Date found Date Reg.		
Loc2	Ship Gall, ZW	
Musco	GM	
No. Description	6 Labels and newsclips relating to ZW 5636 and ZW 5637 as displayed at the Nicholson Museum, University of Sydney, Includes: 2 labels No. 1344. Broken Dram Glass ornamented with flowers etc., No. 1345. Sword Belt Buckle; bronze. massive & highly	
No.	ω	
Matco.	4	
Wreck Reg. No.	5638	
Wreck	MZ	

																		T				
Notes	Donation	Donation	Donation	Donation	Donation	Donation	Donation	Donation	Donation		Donation	Land	Land	Land	Land	Land	Land	Land	Land	Land	Land	Land
Date Reg.	12/3/1991	12/3/91	12/3/91	12/3/91	12/3/91	12/3/91	12/3/91	12/3/91	12/3/91		12/3/91	6/7/91	8/7/91	8/7/91	7/7/91	7/7/91	16/1/6	9/7/91	9/7/91	9/7/91	9/7/91	9/7/91
Date found																						
Loc2	5	5	5	5	5	5	5	5			٥	5	5	5					5	5	5	5
Wusco	MAZT	MAZT	MAZT	MAZI	MAZT	MAZT	MAZI	MAZT	MENA		MAZT	MAZT	MAZT	MAZT	3	ರ	3	MAB1	MAZT	MAZT	MAZT	MAZT
No. Description	1 Wine glass base.	9 Clay pipe fragments.	1 Stoneware fragment.	2 Pewter fragments.	1 Copper fragment.	2 Tacks: copper.	7 Tuffing nails.	6 Tuffing nails: 5 whole and 1 fragment.	2 Buckle w/chape: brass.	NO REGISTRATION	2 Bowl shaped object; brass. Part only.	1 Strip: brass w/ends turned under. Possibly end of cartridge case.	 Molten metal balls: small. 1 brass. 	3 Copper strap fragments: heated,	1 Clay pipe stem section.	1 Schilling: silver.	4 Clay pipe stems x3 and 1 bowl. LN	7 Fragments: possibly lead.	1 Fastening head (nail, spike?)	1 Tack: small,	2 iron fragments: part of fastening?	4144. 1 w/ nail head impression - 8mm, rest flat iron fraements
Matco. No.	4 11	27	21	33	32	32	32		32		32	22	32	32	27	51	27	3.4	82	8	82	82
Reg. No.	4125	4126	4127	4128	4129	4130	4131 A	4131B	4132	4133	4134	4135	4136	4137	4138	4139	4140	4141	4142	4143	4144	4145
Wreck	17	Z	1 ₁	17	77	Z	17	ΙZ	Z	17	ZZ	17	17	17	17	Z	Z,	Z	17	17	ΙZ	h

												cretions													
Notes	Land	Land	Land	Land	Land	Land	Land	Land	Land	Land	Land	From 1986 concretions	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Withole Silks
Date Reg.	16/2/6	11/7/91	11/7/11	11/7/91	11/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	12/7/91	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92
Date found												12/7/91	Paragraph of the second												
Locz	δ	On top of ZT cupboard		5	C)	Ship Gall, ZT	5	5	5	Ship Gall, ZT 10.1	5		S	Metals	5			5		CI	5	5	5	5	Ö
Musco	MAZT	MAZT	3	MAZT	MAZT	GM	MAZT	MAZT	MAZT	GM	MAZT		MAZE	MAZT	MAZT	OFW	CWA	MAZT	CWA	MAZT	MAZT	MAZT	MAZT	MAZT	\$24.7F
No. Description	Porcelain bowl sherds: blue/white inside w/outer brown glaze,	Breech block.	Lead sheet.	Coin fragments; silver.	Tuffing nall: brass.	Escutcheon plate: [musket] copper as ZT 1821. CAMER ZEELAND and castle.	Bolt in concretion: large.	Flat iron strapping: piece only.	10 Bolt pieces.	Buckle, brass	Glass fragment: clear,	9 Schellingen and 1 Stuiver.	Cylinder: brass.	Adze	Stoneware sherd.	Swivel gun: 2/3 worn away.	Timber Sample.	Case bottle base.	Tree nail,	Onion bottle base.	Glass fragments.	Clay pipe and stem fragments.	Ceramic sherd.	Brick fragment.	Brok section
No.			1	N	+	en:	4	-	10	-	+	10	+	1	+	1	٠	-	+		(7)		-	*	-
Matco.	53	31	34	51	32	32	82	84	82	32	44	51	32	32	21	31	19	44	62	44	44	27	04	25	£3 m)
Reg. No.	4146	4147	4148	4149	4150	4151	4152 A	41528	4154	4155	4156	4157	4158	4159	4160	4161	4162	4163	4164	4165	4166	4167	4168	4169	4170
Wreck	ħ	17	17	7	17	12	77	17	17	17	17	17	17	17	17	12	Z	17	Z	Zī	17	72	12	17	17

ANCODS 2002: Zuytdorp material registered since 1991

Notes	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Donation	Donation	Donation	Donation	Donation	Donation	Donation	Wreck site
Date Reg.	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	17/3/92	13/10/92	13/10/92	13/10/92	13/10/92	13/10/92	13/10/92	13/10/92	14/5/93
Date found																	
Loc2	5		5	5						5	5	5	5	5	5	5	Ship Gall. ZT 9 //MAZT x 1 small piece
Musco	MAZT	CWA	MAZT	MAZT	OWC	CWA	CWA	CWA	CWA	MAZT	MAZT	MAZT	MAZT	MAZT	MAZT	MAZT	Ø
No. Description	Base sherd w/ clear serrated edge.	Sheeting: copper.	Tuffing nall.	Clay pipe fragments.	Stoneware sherd.	Lead ingot: large size.	Coin fragment.	Bolt section.	Military and	Clay pipe stem fragment.	Piece of pine/Oregon.	Concretion.	Skull fragments: animal or human?				
No.		**	14	4	•	٠	E.		,-	-	÷	10		-	٠	O4	ca
Matco.	4	32	32	27	21	34	34	34	34	51	82	86	27	O	86	41/40	32
Wreck Reg. No.	4171	4172	4173	4174	4175	4176	4177	4178	4179	4180	4181	4182	4183	4184	4185	4186	4190
Wreck	12	12	77	17	17	17	17	12	12	17	17	77	17	17	17	12	IZ Z

Notes	Wreck site	Wreck site	Wreck site	Wreck site	Wrack site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wrack site
Date Reg.	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93
Date found													
Loc2	Ship Gall, ZT 9	Ship Gall, ZT 9		Ship Gall, ZT	5	Ship Gall, ZT 9	Ship Gall. ZT 10.2		5		C	5	
Musco	Æ	GM	MAZT	GM	MAZT	GM	M	MANA	MAZT	CLA	MAZT	MAZT	MA
No. Description	Musket ball in situ from ZT 4190 (cartridge case). The shot has an uneven mould line (marking the two halves of the mould) which divides a 7 mm diam, circular, flattened base. Concentric mould lines around the body of the shot.	Cartridge case side piece: somewhat squashed and broken,	e case side piece; one ded.	1 Cartridge case tube: brass.	1 Cartridge case tube fragment: brass.	1 Base section of cartridge case: brass.	Sheathing , bent, w/ nail holes copper. Nail holes 4 mm square, varying distances apart around edges of sheathing; and 1 x 7-8 mm square. Nail not returned cons	r brass w/	Tufting nails: bulk no'. 66 targe and 38 small.	0 Musket bails: bulk reg. no".	O Clay pipe pieces: bulk registration no'.		1 Coin: silver 16th Century?
-									104				
Matco.	4	34	34	32	32	32	35	83	32	34	27	2	5.
Reg. No.	1014	4192	4193	4194	4195	4196	4197	4198	4199	4200	4201	4202	4203
Wreck	la l	12	17	77	TZ.	Į,	Į,	77	77	77	12	77	Z

	M d/b	M d/b		M d/B	NM d/b	NM d/b	NM d/b	77.77	W G/D												
	See N	See N		See N	See	See	See	4	SHE INM OVE												
Notes	Wreck site. See NM d/b	Wreck site. See NM d/b	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Wreck site, See NM d/B	Wreck site.	Wreck site.	Wreck site.	Mannet min	WIECK SITE	Wreck sile	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wrack site	Wreck site
Date Reg.	14/5/93	14/5/93		14/5/93	14/5/93	14/5/93	14/5/93	4475705	20/0/47	99/0/4	15/6/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93
Date found									140												
Locz									3	5					5						
Musco	MA	MA		MA	MA	MA	MA	444		WMC1	വര	8	73	র	MAZT	CLA	CLA	CWA		CWA	CWA
Description	Two Stuiver coins and 14 fragments/scrap, silver,	Schillings and 6	fragments/scrap: silver.	I WO feals, Shiver,	Four reals; silver.	Eight reals: silver.	Ducatons including a half	Ducator: silver.		fragments.	Sword scabbard section: leather and wood.	Musket ball cylinder: brass.	Sword scabbard section in concretion.	Concretions to be excavated- to go into separate registrations after excavation.	Plat piece of copper: slipper shaped w/ nail holes at edge.	Sword handle: brass wire whipped.	Sword handle: brass wire whipped.	Musket ball tube w/ musket ball armour from concretion.	Musket ball from ZT 4219,	Tube fragments: wood in/from concretion.	Rod: wood in/from concretion.
No.	1096	848		0	64	211	4 63	ď	0 -		-		-	7	-	-	-	-		-	-
Matco.	51	5	· ·	n	5.1	2 2	5.1		0 1	2	46	32	62	86	80	62	62	32	465	62	9
Wreck Reg. No.	4204	4205	0.00	4200	4207	4208	4209	0404	2 4 4	1134	4212	4213	4214	4215 A-G	4216	4217	4218	4219	4220	4221	4222
Wreck	Z	17	1	7	Z	Z	17	ķ	7 1	53	12	Z	17	12	12	77	17	12	12	ZI	17

Reg. Notes	793 Wreck site	/93 Wreck site	/93 Wreck site	/93 Wreck site	793 Wreck site	793 Wreck site	793 Wreck site		793 Wreck site	793 Wreck site	793 Wreck site	793 Wreck site	793 Wreck site	/93 Wreck site	/93 Wreck site	793 Wreck site	/93 Wreck site	793 Wreck site	
Date found Date Reg.	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93	14/5/93
Loc2 Dat			5		CI	5	5	5	5		5	5	Ceramics	Ceramics	Ceramics	Ceramics	Ceramics	5	
Musco	ore ore		MAZT		MAZT	MAZT	MAZT	MAZT	MAZT		MAZT	MAZT	MAZT	MAZT	MAZT	MAZT	MAZT	MAZT	CWA
No. Description ems	Button: wood/bone/ivory- concretion.		rass w/ threaded on end.	Sword scabbard section: wood w/ leather cover.		Pins: brass.	Supporting tracket: copper,		Brass and copper fragments: musket ball canister?	Coal fragments.	armour	Pencil points: slate in armour concretion	Ceramic fragments: saltglaze stoneware sherds.	Ceramic fragments: Blue and white porcelain sherds (small)	Ceramic fragments: Majolica sherds, Traces of blue glaze.	Ceramic fragments: Earthenware sherds, thick	Glass fragments - green bottle class	etion from gun barrels.	Bone: rib, clavicle ? human? To CWA
No.	-	0	F	e .	12	0			64	0	-	0	16	60	CV	ID:	CV	CH	-
Matco.	41	46	32	29	32	32	32	32	32	12	15	11	2	29	23	22	44	88	4.1
Reg. No.	4223	4224	4225	4226	4227	4228	4229	4230	4231	4233	4234	4235	4238 A	4236 B	4238 c	4236 D	4236 E	4237	4238
Wreck	17	Į,	17	12	Z	12	17	1Z	17	77	Į,	77	TZ.	Į,	17	ħ	12	12	77

	à																							
Notes	Purchased from owner by WAM for \$37,500	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Wreck site	Land	Land	Land	Land	Land
Date Reg.	20/3/96	20/3/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	1/7/96	1/7/96	1/7/96	1/7/96	1/7/96	96///1
Date found			3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	3/4/95	3/4/96	3/4/96	3/4/96	3/4/96	3/4/96	22/6/96	22/6/96	22/6/96	22/6/96	22/6/98	22/6/95
Locz		5									To be moved to MAWG										5	5		3
Museo	MININ	MAZT	MAB1	MAB1	CWC	CWD	MAB1	ONC	E.	MA	CWA	MAB1	CWA	MAB1	MAB"	mazt	MAB1	MAB1	MAB1	MAB1	MAZT	MAZT	MAB1	MAZI
No. Description	Model: representing ' Zuytdorp' rigged. Constructed by Dr C. de Heer from wood, iron, copper, fabric and paint.	Timbers from ZT wreckage.	Knob/cover: lead.	Musket ball.	Stoneware sherds.	Cannon ball fragments.	1 Lead dome: small.	Clay pipe fragments.	Concretions: excavated to individual artifacts.		Lead ingot: large.	256 Tuffing nails.	Coin concretion: to be retained CWA as is.	Musket escutcheon; scroll style.	Lead fragments.	Gun flint.	Sheathing tacks.	Tack rolled: brass.	Case bottle sherds.	Clay pipe bowl; heelmark 'duck and crown'.	Stone fragment: for identification.	Iron fragment.	Clay pipe stem section.	Stone tragment: for
No.	CA.	n	٠	+	0	0	-	0	0	0	10	256	***	gree .	0	**	đ	***	C	-	-	-	-	-
Matco.	64	19	34	34	21	8.1	34	27	98	2	34	32	51	32	34	5	32	32	44	27	17	88	27	11
Reg. No.	4241	4242	4246	4247	4248	4249	4250	4251	4252	4253-9	4260	4261	4262	4264	4265	4266	4267	4268	4269	4270	4271	4272	4273	4274
Wreck	Li .	17	77	12	k	17	h	17	ki	K	1Z	k	k,	Į,	Z	7	12	17	17	17	17	7	12	77

ANCODS 2002: Zuytdorp material registered since 1991

Notes	Land	Land	Land	Land	Land	Donation	Donation	Donation
Date Reg.	1/7/96	1/7/96	1/7/96	1/7/96	3/11/96	717197	15/9/97	17/3/98
Date found	22/6/96	22/6/96	22/6/96	22/6/96	30/9/96	1/1/53		
Loc2				5				37
Musco	MAB1	MAB1	ale	MAZT	CWA	MAWG	ರ	MMD
No. Description	3 Clay pipe stem fragment.	Clay pipe bowl fragment.	Charcoal fragments: Identification.	Soil sample.	Timber plece as ZT 4242.	7 Timber sections, some probably ZT, cf. 4279	Breech block, bronze. (Presume ZT, cf. ZT 100 supposed from Lady Elizabeth, to be investigated)	2 Ship's bell-2 sections. Marked 1704'. Fits with ZT540
No. I	8		0	+	+	7	-	a
Matco.	27	27	12	49	61	61	31	3.
Wreck Reg. No.	4275	4276	4277	4278	4279	4280	4281	4282
Wreck	k	77	Į,	Z	Z	77	h d	Z

B. Dutch skeletal material excavated from 1960 to 1994 (BAT series)

Wreck	Reg. No.	Mat.	Description	Body part	Individual	Age Class	Location	Location	Date	Date reg.	ANCODS
TAR	15508	0	Skaleton, human (Anthropology Collection). Post-cranial only. Altas missing, Possibly juvenila female/male aged 16-15 years. Paivis incomplete. If Willemynge. Bastaneniz, second daughter of the Predikan: (Hunneybur) or Jan Diroxez (Pasweer).	Post-cranal skeleton		Suvenile	AVBAN		1963 1963		1975 C
BAT	3901 M	0 4	Skeleton, furnan, Skull, part mandble and skeleton. Fernale aped 16-18 years.	T T		Juvenile	1975N	Temporary LO to WA MA	23.3.60	13.7.60	1975N
BAT	15507 A	0	Skeleton human, Traumelised skull, severed shoulder and disericulated jaw. Male aged 35-39, [? Jacob Hendricksz. Gunner]	Skeleton	13	Adult	MAG	6. Also Bat Bone Storage	1.8.63		
BAT	16316 A	40	Skull human. Traumalised skull, mandible missing. Male aged c. 33-37 (? Hendrick Derive)	Head		Adult	8	Ship Gall, BAT 12.3.54 6	12.3.64		
BAT	4634	40	Sone section; weathered human femun.				MABAT	Land site	1,11,97	16,12.97	
ВАТ	15831 A	0	Skutt Estimated age 18 to 23 years. Sex uncertain. Teath show some growth arrest lines. Large fracture in temporal region, possibly formed sometime after death.	Head		Adult	MA		26.5.63		
BAT	4635	4.0	Scapula (cut surfaces)	Torso			MA		16,6,94		
BAT	4637	40	Nasal?	Head			MA		16.6.94		
BAT	4638	40	Skull bone? near suture?	Head			MA		16.6.94		
BAT	4540	40	Scapula ?	Torso			MA		16,6.94		
BAT	4641	40	Carpai bone. R. os capitatum. SK7	Hand	SK7	Adult	MA		16.6.94		
BAT	4842	40	Unidentified bone	Unid			MA		16,6,94		
BAT	4643	40	Distal and of R. radus. SK11 or SK 7.	Arm	SK11 or SK7 Adult	Adult	MA		16.6.94		
BAT	4544	0.4	Long bone or rib fragment.	Unid.			MA		16.6.94		
BAT	4545	40	Skull bone fragment?	Head			MA		16.6.94		
BAT	4545 A	40	Bone fragment.	Unid			MA		16.6.94		
BAT	4546 B	4 0	Long bone fragment.	Arm or leg			MA		16.6.94		
BA1	40401	9	Cartonious tons regiments.				City		10.00		76
BAT	4646D		Very small fragment.				MA		16.6.94		

BAT 4648 BAT 4648 BAT 4649 BAT 4650	7 40						DUODI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		Verlebra, cervical ?	Torso			MA	16.6.94	N.	
		Long bone fragment.	Arm or leg			MA	16.6.94		
		Par of maxilla, left, with canine in situ. Toolin worn on incisal edge. Sito.	Head	SKS	Adult	MA.	16.6.94		
	0 40	Tooth, premolar LP1. Cusps very worn. SK5	Head	SKS	Adult	MA	16.6.94		
	1 40	Right side temporal bone including styload process, auditory canal etc. SK6	Head			MA	16.6.94		
BAT 4653	3 40	Alb tragments.	Torso			MA	15.6.94		
BAT 4654	4	Unidentified fragment.	Unid.			MA	16.6.94		
BAT 4655	5 40	Skull fragment.	Head			MA	16.6.94		
BAT 4658	8 40	Skull fragment.	Head			MA	16.6.94		
BAT 4559.		Bons or shell ? tragment.				MA	16.6.94		
BAT 4660	0 40	Rib fragments.	Torso			MA	16.6.94		
BAT 4881		10	Torso	SK10	Adult	MA	17.6.94		
BAT 4562	40	R. Vertebra. Part of axia. Fits w/ BILS 100.	Torso			MA	17.6.94		
BAT 4663	3 40	Rib fragment.	Torso			MA	17,6.94		-
BAT 4564	40	M. 7. Unid.	Head			MA	18.8.94		
BAT 4565	60.40	Skull fragment with suture. Fits with frags from soit 6, SK6	Head	SK6	Adult	MA	18.6.94		
BAT 4666	6 40	Motar. Upper right M2. Very worn, SK5	Head	SKS	Adult	MA	19,6.94		
BAT 4567	7 40	Ventebra. Part of axis.	Torso			MA	19.5.94		
BAT 4668	8 A 40	Skull fragment, Os nasale, SK 5	Head	SK5	Acuit	MA	19.6.94		
BAT 4668 B	8B 40	Skull fragment, SK 5 ?	Head	SK5?	Adult	MA	19.6.94		
BAT 4668.C	8.C 40	Skult fragment, SK 5 ?	Head	SKE?	Adult	MA	19.6.94		
BAT 4666 D	80 40	Skull tragment, SK 5.7	Head	SK6?	Adult	MA	19.6.94		
BAT 4669	0 40	Rib fragment.	Torso			MA	13.6.94		
BAT 4670		R. scapua. SK10	Torso	SK10	Adult	MA	13.6.94		
BAT 4571	1 40	L. Humerus, Distal and, SK 19	Arm	SK10	Adult	MA	19.6.94		
BAT 4672	2 40	L. Humerus, Shart, SK 10	Arm	SK10	Aguit	MA	19.6.94		
BAT 4673	3 40	Long bone fragments? Scapula ?	Torso?			MA	19.6.94		
BAT 4674	4 40	Radius, proximal end and shaft, SK 10	Arm	SK10	Adult	MA	19.6.94		
BAT 4675		Ulna, SK 10	Arm	SK10	Adutt	MA	19.6.94		
BAT 4676	6 40	R. Temporal zygomatic process. SK 6	Head	SK6	Adult	WA	19.6.94		
BAT 4677	7 40	Occipital fragment: SK 6 (Loose piece ceme	Houd	SK6	Adult	W.	10 6 94		

Vreck	Wreck Reg. No.	Mat	Description	Body part	Individual	Age Class	Location	Location	found	Date reg.	Date reg. ANCODS
BAT	4678	40	Skull, frontal part (calvarium). SK 5	Head	SK6	Adult	MA		19.6.94		
BAT	4679	40	Skull, occipital part. SK 5	Head	SK5	Adult	IVA	1,51 Floor	19.6.94		
BAT	4680	40	Skull fragment. Fits with left side of occipital suture of BAT 4665. SK 6	Head	SKE	Adult	MA		19.6.94		
BAT	4681	0	Skull pieces, 2 pieces jaired by surure, his with BAT 4680 on left side of skull, mastord area. SK 6.	Head	SKG	Adult	MA	1st Floor	9 0 0		
BAT	4682	40	Skulf fragment. Left side at toramen magnum, SK 6.	Head	SK6	Adult	MA	1st Floor	19 6 94		
BAT	4683	40	Skull fragment, 7 lits: wit SK 6-(7)	Head	SK67	Adult	MA	1st Floor	19.5.94		
BAT	4585	4.0	Vetebra, cerviaci, fragment.				MA	1st Floor	17.6.94		
BAT	4686	4.0	Skull, SK ?	Head	SK?	Adult	MA	1st Floor	17.6.94		
BAT	4687	4.0	Unidentific bone trags.	Unid.			MA	1st Floor	17.6.94		
BAT	4689	10	Unid. bone traps.	Unid			MA	1st Floor	16.6.94		
BAT	4690	40	Phalange Proximat				MA	1st Floor	17.6.94		
BAT	4692B	40	Carpal bone, R. Os trapazkum, SK 7	Hand	SK7	Adult	MA	1st Floor	17.6.94		
BAT	4692C	4.0	Carpai bone, L. Os Namatum, SK 7	Hand	SK7	Adult	MA	1st Floor	17.6.94	Ī	
BAT	4692 D	40	Distal and of metacarpainarsal bone.	Foot			MA	1st Floor	17.6.94		
BAT	4693 A	4.0	Vertebra, fragment.	Torso			MA	1st Floor	17.6.94		
BAT	4693 B	40	Unid: bone fragments.	Unid			MA	1st Floor	17.6.94		
BAT	4694	40	Unid, bone fragments.	Umid			MA	1st Floor	17.6.94		
BAT	4695	40	Unid, bone fragment.	Unid			MA	1st Floor	17.6.94		
BAT	4666	40	L. First rib. SK 10 Torsk	Torso	SK10	Adult	MA	1st Floor	18 5 94		
BAT	4698	40	Unid, human bone fragment (+ 2 non-human)	Unid			MA	1st Floor	18.6.94		
BAT	4700	4.0	Unid, bone fragments.	Und			MA	1st Floor	18.6.94		
BAT	4703	40	Lower law fragment, (? Animal).	Unid			MA	1st Floor	17.6.94		
BAT	4704	4.0		Torso?			MA	1st Floor	17.6.94		
BAT	4706	40	Shull fragments, 1 x fragment of SK 5	Head	SKS	Adult	MA	1st Ploor	18.6 94	-	
BAT	4707	40	Mandble tragment, 79Unid.	Head			WA.	1st Floor	16,6,94		
BAT	4708	40	Unid, small fragments	Sec			W	1st Floor	18.6.94		
BAT	4709	40	L. First rib. Juvenile.	Torso		Juvenile	MA	Tst Floor	18.6.94		
BAT	4710	40	Distal phalange				MA	1st Floor	18.6.94		
BAT	4711	0	Skull 4	Head			MA	1st Floor	18.6.94		
BAT	4712	40	Unid, fragments,	Unid			MA	1st Floor	18.5.94		
BAT	4714 A	40	Skull trag (?)	Head	2		MA	Tật Floor	18 6 94		
100	61	0		10:00			NAME OF THE PERSON NAME OF THE P	in Floor	10.0.04		
PART	2000	C	Somoote	hin			84.0	sat Close	10 4 01		

Vreck	Wreck Reg. No.	Mat.	Description	Body part	Individual	Age Class	Location		found	Date reg.	ANCODS
BAT	4716	07	Cerpal bone, R. Os hamatum, SK 10 (or SK 7)	Hand	SK10 (or SK7)	Adult	MA	1st Floor	18.6.94		
AT	4717	40	Unid, bone tragments.	Unid			MA	1st Floor	18.6.94		
BAT	4720	40		Torso	SK57	Adult	MA	1st Floor	18.6.94		
MT	4721	4.0	ts best with BAT 4667. SK 6 (?)	Torso	SK6?	Adult	MA	1st Floor	18.6.94		
77	3285	40		Unid			MAZT	5	7.5.86 7.	7.5.86	
3	3789 M	40	Skull and mandible. Collected from Gun Is.	Head		Adult	WAW	Anthrop	1893	6	
700	3790 M	40	Ī	Head		Adult	WAW	Anthrop	1892	3	

C. Batavia skeletal material excavated from the Beacon Island mass grave 1999–2001 (BILS series)

nondi	Matco Bone description	 Detailed description	Body part	Individual	Age Class	Date
	Unidentified		Human unidentified	Unidentified	Unidentified	29/9/99
	Lunar bone		Hand	Unidentified	Adult	30/9/89
.00	Pişitorm bone		Hand	SK10	Adult	30/5/88
	Unidentified	3 frags	Human unidentified	Unidentified	Unidentified	3/10/99
	Unidentified	4 small fragments	Human unidentified	Unidentified	Unidentified	3/10/99
me Processus	Temporal bone Processus mastoldeus		Head	SK6	Adult	3/10/29
ode	Shoulder blade	Acromian tragment	Torso	SK10	Adult	3/10/99
	Unidentified	2 tragments	Human unidentified	Unidentified	Unidentified	28/8/99
r bone	Middle linger bone unidertified	I phalanx 5? oximal joint? od sideways	Hand	SK7	Adoll	30/8/88
		Ī	Arm	SK10	Adult	30/8/98
	Nasai bone	2 fragments, one looks like nasal bore?	Head	SK7.	Adult	30/9/88
identified	Vertebra unidentified	 Thoracic vertebra frag with slight ty bent proc pinosus	Torso	Unidentified	Adult	30/8/88
	Vertebra unidentified. Acus vertebra	Thoracic arcus vertebrae	Torso	SK9	Juvenile	30/8/08
	Lunar bone		Hand	SK7	Adult	3/10/99
	Collar bone	Cateral end damaged	Tarso	SK10	Adult	30/8/88
ouo	Upper arm bone		Arm	Unidentified	Abult	30/9/99
upper second	Permanent upper second prematar		Dentition	SKE	Adult	30/9/99
one	Famporal bone	Pars petrosa slightly damaged	Head	SK5	Adult	30/8/88
*	Unidentified	 2 small tragments	Human unidentified	Unidentified	Unidentified	12/10/99
one	Upper arm bone	Small fong bone tragment	Long bone	SKIO	Adult	1/10/99
indentified	Verrebra unidentified	Cervical vertebra	Torso	Unidentified	Adull	1/10/99
เลย	Occipital bone	2 trags	Hend	SK6	Adult	1/10/99
	Unidentified	10 small fragments + 1 carpal fragment?	Torso	Unidentified	Unidentified	3/10/99:
attus	Vertebra C1, allas		Torisa	SK7	Adult	3/10/99
	Vertebra CS	Cervical vertebra, corpus	torso	SK/	Aguit	3710759

conduces & monday	Matco	Matco Bone description	Detailed description	Body part	Individual	Age Class	Date
49 Human bone, adult frag		Shoulder blade		Tarso.	Unidentified	Adult	3/10/89
5 o Tooth, Upper molar, adult	07	Permanent upper first moter		Dentition	SKB	Adult	3/10/99
5 1 Human unidentified	40	Unidentified	3 very small fragments	Human unidentified	Unidentified	Unidentilied	12/10/99
5.2 Partosal (Temporal) bone	0.4	Temporal bons	Para petrosa slightly damaged. para squamosa troken off	Head	SKS	Adull	3/10/09
53 Human unidentified	40	Unidentified	Small fragment	Human unidentified	Unidentified	Unidentified	7/10/99
5.4 Tooth + 3 Iragments human bone	an 40	Unidentified	5 small fragments	Humas unidentilled	Unidentified	Unidentified	5/10/33
6.9 Humerus	40	Upper arm bons	Proximal and missing fracture	Arm	SK7	Adult	5/10/99
60 Thumb bone 1	4.0	Metacarpal bone 1		Hand	SK7	Adult	5/10/99
6.1 Hand (metacarpal) bone 2	40	Metacarpal bone 2	Distal end is missing	Hand	SK7	Adult	5/10/55
62 Hand (phalanx) bone 3, proximal	40	Proximal finger bone 3	Proximal end missing	Hand	SK7	Adult	5/10/99
ForamenMagnum ?Verlabra	0.7 RJ	Occipital bone	Anterior rim of foramen	Hoad	SKS	Adult	5/10/99
6.4 Axrs	9	Vertebra C2, axis	Especially corpus vertebrae damaged.	Torsa	SK7	Adull	5/10/99
65 Fingerhoe bone	0.8	Distal Imger bone unidentified	Distal phalanx 4?	Hand	Unidentified	Adult	6/10/99
66 Handfloot bone	40	Pisitorm bone	Slightly damaged	Hand	SK7	Agult	6/10/99
67 Human bone fragments (5)	5) 4,0	Unidentified	5 small fragments, 1 may be toe phalanx??	Human unidentified.	Unidentified	Unidenlifted	66/101/8
6.9 Human bone trags (13) v. small	40	Unidentified	13 very small fragments	Human unidentified	Unidentitled	Unidentified	6/10/98
71 Human bone (10 frags)	40	Unidentified	10 small tragments	Human unidentified	Unidentified	Unidentified	66/10/19
72 Human bone frags (3)	40	Unidentified	Very small fragments	Human unidentified	Unidentified	Unidentified	6/10/99
74 Tooth, No 17 (716) Upper Right Second Molar	40	Permanent upper second molar		Dentition	Unidentified	Adult	2/10/29
75 Human bone (1 frag)	4 0	Unidentilled	1 fragment	Human unidentified	Unidentified	Unidentified	2/10/99
79 Human bons (1frag)	4.0	Unidentified	1 fragment	Human unidentified	Unidentified	Unidentified	20/9/99
8 1 Human bone (1 frag)	40	Facial region unidentified	1 tragmant	Head	Unidentified	Unidentified	2/10/99
8.8 Infra orbital rim/cheek	40	Cheek bone		Head	SKE	Adult	2/10/99
8.9 Human bone, articular	4.0	Radius	Proximal radius (caput radii)	Arm	Unidentified	Adult	30/8/89
Surface of leng barre			Hanginian it.				

Wreck	Reg.	Preliminary description	Matco	Bone description	Detailed description	Body part	Individual	Age Class	Date
BILS	06	90 Human bone (2 frags)	40	Unidentified	2 small fragments	Human unidentified	Unidentified	Unidentified	30/8/88
BILS	oi .	9.4 Human unidentified	40	Unidentified	1 very small fragment of trabecular bone	Human unidentified	Unidentified	Unidentilied	12/10/99
8	86	95 Rtb, juvanite	9.0	Rub unidentified	Both ends damaged	Torsa	SK9	Juvenile	30/9/99
BITS	o.	9.6 Rt Maxilla, fragment, Poss, abscessat the central incisor. Shiny occlusal surface possibly from arriding.	04	Upper pw	Right side of maxilia plus os zygomaticum attached; URC + URP1 present, URM1 antemorrem loss.	Head	SKS	Adult	30/9/8
BILS	on on	99 Human unidentified	40	Unidentified	11 small fragments	Human unidentified	Unidentified	Unidentified	12/10/99
BILS	100	10d Vertebra, part (axis 7)	40	Vertebra C2, axis	left half.	Torso	Unidentified	Adult	1/10/99
BILS	101	101 Human bones (2 trags)	40	Unidentified	2 fragments	Human unidentified	Unidentified	Unidentified	177 0799
BILS	103	103 Human bone frag (1)	40	Unidentified	1 fragment	Human unidentified	Unidentified	Unidentified	1/110/99
BILS	108	108 Tooth, incisor	40	Permanent upper Interal Incisor	Very wom (left?)	Dentition	SKS	Adult	2/10/99
BILS	108	109 Human bone fragment (1)	40	Unidentified	1 fragment	Human unidentified	Unidentified	Unidentified	2/10/99
BILS	1116	116 Cervical variebra, juvenile	40	Vertebra unidentified. Acus vertebrae	alightly damaged, cervical vertebra	Torso	SK9	Juvenile	2/10/99
BILS	120	120 Rib, juvenille	40	Rib unidentified		Torso	SK9	Juvenile	2/10/99
BALS	121	121 Fibula, juvenile	40	Splint bone	Probably right, both ends missing	reg	SK9	Juvenile	2/10/98
BILS	122	122 Tooth	40	Permanent upper lateral incisor		Dentition	SK5	Adult	3/10/99
BILS	123	123 Vertebra frag ?	40	Vertebra unidentified		Torso	Unidentified	Adult	3/10/99
BILS	124	124 Rib, Juvenile	40	Rib unidentifiled		Torso	SK9	Juvenile	3/10/89
SIES	61	125 Human bone	40	Unidentifled	First bone; skull or scapule?	Human unidentified	Unidentified	Unidentified	3/10/99
BILS	126	126 Human bone (2 frags)	40	Unidentified	2 small fragments	Human unidentified	Unidentified	Unidentified	3/10/99
BILS	130	130 Vertebra, juvenile	40	Vertebra unidentified. Argus vertebra	Probably theracic	Torso	SK9	Juvenile	3/10/99
BILS	131	131 Long bone shatt	4.0	Upper arm bone		Arm	SK10	Adult	3/10/99
BILS	133	133 Maxila (cheekbone) juvenie	0	Upper law	Only slightly damaged, LM1 halfway eruption, alveole LM2 present but no tooth, no deciduous teeth present for the sockets, permanent teeth in development	Неви	SKB	Juvanite	3/10/99
BitS	134	134 Rib, adult	0 p	Rib unidentilligit		Torso	Unidentified	жеен	3/10/99

Wreck	Reg.	Preliminary description	MATCO	Bone description	Detailed description	Body part	Boyyonal	Age Class	Dale
1			0	The state of the s			cons	framedia	Straton
97	135	135 Ria, juvenile	0	На плаетиреа		Torso	SKS	Juvenile	3/10/88
100	136	136 Tooth (deciduous?)	40	Decideous lower canine		Dantitian	SK9	Juvenile	5/10/98
57.6	137	137 Human bone (5 frags)	40	Undenthed	5 very small fragments, 1 may be part of tooth socket?	Human unidenthed	Unidentified	Unidentified	8/10/98
BILS	139	139 Homan bone frags (8)	4.0	Unidentitied	8 very small fragments	Human unidentifled	Unidentified	Unidentified	12/10/99
BILS	142	142 Tooth + 23 fragments of	40	Permanent upper first molar	Roots not fully developed, +	Chantition	SKB	Juvenile	5/10/99
		bane							
BILS	143	143 Left shoulder (6 frags)	40	Shoulder blade	6 fragments	Torso	SK7	Adult	8/10/99
BILS	144	144 Shoulder blade fragment	40	Shoulder blade	Acromian	Torso	SK7	Adult	8/10/98
BILS	145	145 Human unidentified	4.0	Unidentified	1 small fragment	Human unidentified	Unidentified	Unidentified	12/10/89
BILS	146	146 Tooth	4.0	Deciduous upper second moter		Dantition	SK9	Juvenile	6/10/98
BILS	147	147 Human bones (2 frags)	0	Sacrum	Juvenile sactum?? could be part of corpus vertebre, plus other transment	Torso	80/8	Juvenile	6/10/99
BILS	149	149 Human bone frags (9)	40	Unidentified		Human unidentified	Unidentified	Unidentified	2/10/99
BILS	153	153 Human bone fragment (1)	40	Unidentitled	1 tragment	Human unidentified	Unidentified	Unidentified	29/9/99
SIES	155	155 Tooth, mosor, adult 7	40	Permanent upper central	Very worn	Dentition	SK6	Adult	30/8/98
BRS	156	156 Tooth, incisor, juvenile ?	# D	Permanent upper lateral	Very small but del permanent: ped fateral	Dentition	SK6	Adult	30/8/88
BILS	157	157 Finger/Toe bone	40	Distal finger bone		Hand	Unidentified	Adult	30/9/99
BillS	158	158 Human bone (3 frags)	4.0	Unidentified	2 fragments, 1 may be anima??	Human unidentified	Unidentlied	Unidentified	30/9/99
BILS	163	163 Tooth, molar, adult	0.4	Permanent upper second molar		Dentition	SK6	Adult	1/10/99
BILS	164	164 Skull tragments (2); one has out edges	40	Temporal bone Para squamosa	Other fragment is also skull but (sub?)artuit	Head	SK9	Javenile	1/10/99
BILS	166	166 Human bone fragements (8)	40	Unidentified	8 very small fragments	Human unidentified	Unidentified	Unidentified	1/10/99
BILS	168	168 Human bone frags (11)	4.0	Unidentilled	11 small fragments	Human unidentified	Unidentified	Unidentified	171.0799
BILS	170	170 Humerus, distal fragment	40	Upper arm bone	Distal condyle (trochlea humeri)	Arm	SK10	Adult	1/10/99
BILS	121	Scapura, distal end	40	Lower jaw	Left ramus/angle fragment of mandible	Head	Unidentified	Adult	1/10/99
SIIIS	172	172 Human bone	40	Upper jew	Laft cart of the noce (maville)	Head	41	Adult	1110799

Reg. No.	Preliminary description	Matco	Bone description	Detailed description	Body part	Individual	Age Class	Date
63	210 Human bone (13 pieces)	40	Vartabra unidentified	Left side of carvical vertebra	Torso	Unidentified	Adun	3710/99
23	211 Tooth, deciduous	0	Permanent upper lateral	Det, permanent, peg lateral	Dentition	SK6	Adult	3/10/99
64	215 Metacarpai	40	Metacsrpal bone 4		Hand	SK10	Adult	3/10/99
2	6 Sacrum, part	40	Sacrum	Fragment of crista mediana	Hp	SK10	Adult	3/10/99
23	7 Sacrum?	40	Sacrum	Proximal dorsal part	Hp	SK10	Adult	3/10/99
a	218 Distal part of humerus , adult (3 frags)	0	Upper arm bone	Distal end of humerus (trochlea), plus 2 small tragments	Azm	SKIO	Adult	3/10/99
2.	219 Finger bone (carpal) A	40	Navicular bone	Sightly damaged	Hand	SK10	Adult	3/10/99
22	221 Finger/Toe bons	40	Metatarsal bone 1		Foot	SK9	Juvenile	5/10/99
22	2 Vertebra frags (?) (2)	4.0	Vertebra unidentified		Torso	Unidentified	Adult	5/10/199
22	223 Long bone epiphyses ? (2)	4.0	Thigh bone	one of the distal	Leg	Unidentified	Adult	5/10/99
22	225 Human bone frags (3)	40	Unidentified	3 small tragments	Human unidentified	Unident/fred	Unidentified	5/10/99
22	227 Humerus	9	Upper arm bone	Both ands missing, three tragments sput lengthwise, fragmants/bone are distorted, also crack on medial side toward distal and, traumatic fracture?? on leteral/distal side bone fragment seems to be pushed inwards?	Αrm	Unidentified	Adult	5710799
22	229 Bone fragments (21)	40	Unidensfied	Mostly small rib tragments, some probably verebra fragments	Torsa	Unidentified	Unidentiflied	6/10/99
23	233 Small fragments of human bone	40	Unidenatied	Lots of small fragments	Human unidentified	Unidentified	Unidentified	6/10/99
Ci.	236 Polvis tragments 7(3 pieces)	40	Unidentified	2 Iragments	Human unidentified	Unidentified	Adult	8/10/99
23	237 Human bone	40	Unidentified	Sacrum/vertebrs fragments?	Human unidentified	SKIO	Adull	6/10/89
23	238 Human bone frag FT	40	Unidentified		Human unidentified	Unidentified	Adult	6/10/19
24	240 Human bone frags (c. 47) v.	0 4	Unidentifled	Very small fragments	Human unidentified	Unidentified	Unidentified	7/1/0/89
24	242 Hand bons	0.7	Metacarpal bone 1		Hand	SK10	Adult	7710799

Ю

Reg.	Preliminary description	Matco	Matco Bone description	Detailed description	Body part	Individual	Age Class	Date
44	43 Pelvis Irags x 2	40	Pelvig bane	2 curved fragments: pelvis?	Ho	SK7	Adukt	29/9/99
. AV	48 Human bone	4.0	Vault region unidentifred		Head	SKS	Adult	1/10/99
24	249 Human bone (3 frags)	40	Unidentified	2 tragments of palvis? 1 long bone trag? very bleached	Human unidentified	Unidentified	Unidentified	2/10/99
EV.	253 Clavice, Rt. Juvenile	40	Collar bone	Both encs slightly damaged	Torsa	SK9	Juvenile	2/10/99
EV.	256 Human bone tragment (1)	40	Unidentified	Small fregment	Human unidentified	Unidentified	Unidentified	30/8/88
EA	250 Metacarpa/thumb bona	40	Metacarpal bone	Right metacarpal 52 both ends Hand	Hand	Unidentified	Adult	30/8/88
0	261 Radius, luvenile	40	Radius	Both ends missing	Arm	SK9	Juvenile	30/9/99
2	62 Rib, juvenile	4.0	Rib unidentified		Torsa	SK9	Juvenile	1/10/99
ev	263 Human bone (2 frags)	40	Unidentified	2 tragitients of pelvis or scapula	Human unidentified	Unidentified	Adult	1/10/09
5.0	267 Fernur	0	Thigh bone	ds missing dense ar bone consistent in early twenties. To have 2 foramina it, but one may be	Leg	SK7	Adult	1/10/99
64	268 Mandible, juvenile = 5 years old. Take X-Ray	4 0	Lower Jaw	Ramus condyle missing, LLm1, LLm2, LLM1 unerupted	Неад	SK9	Juvenile	1/10/99
54	69 Polvis	40	Palvic bana	Neum fragment	图	SK7	Adult	1/10/99
ea	270 Proximal epiphyses, fertur	40	Thigh bone	Proximal and of femur (left)	Leg	SK7	Adult	1/10/99
DV.	271 Femur, distal and. See proximal and. May be half- fused epiphyses.	0	Thigh bans	Distal end of femur (left?)	Ced	SK7	Adult	1/10/99
54	272 Patella, loft	40	Knee bone		Ced	SK7	Adult	1710/89
ca	276 Human bone (2 trags)	40	unidentified	1 small fragment	Human unidentified	Unidentified	Unidentified	2/10/99
54	280 Human bone (2 frags)	40	Unidentified	2 very small fragments	Human unidentified	Unidentified	Unidentified	2/10/99
EN.	284 Pelvis, sciatic notch, probably male	Q V	Pelvic bone	Sciatic notch		SK7	Adult	2/10/99
CH	285 Human bone (1 frag)	17	Unidentified	1 small fragment	Human unidentified	Unidentified	Unidentified	2/10/99
-	289 Cheekbone, Rt. juvenite	40	Cheek bone	Almost complete	Head	SKB	Juvenile	2/10/99
**	290 Pelvis, cortical bone.	0	Unidentified	Pelvis frag? scapula? animal bane?(aw / alyeoli??	Numan unidentified	Unidentified	Adult	2/10/99
20	291 Rib, Juvenille	40	(Rib unidentified		Torso	SKO	Juvenile	2710/99

Prefiminary description M.	latco	Matco Bone description	Detailed description	Body part	Individual	Age Class	Date
	40	Rib unidentified		Torso	SK9	Juvenile	2/10/99
293 Thoracic vertebra, juvenilin	0 4	Vertebra unidentified. Arous vertebra	Thorace	Torso	SK9	Juvenile	2/10/99
	40	Unidentified	5 tragments	Human unidentified	Unidentified	Adult	3/10/99
	40	Vertebra unidentified Arcus vertebras	Lumbar?	Torso	SK9	Jovanile	3/10/89
	40	Vertebra unidentified Arcus		Torso	SK9	Элуеліїв	3/10/99
	4 0	Vertebra unidentified Arcus	Lumbar?	Torso	SK9	Juvenile	8/10/18
298 Tooth, Carline ? No root.	40	Permanent upper canine	Only grown, root not yet developed	Dentition	SK9	Juvenile	3/10/99
	0+	Rib unidentified		Torso	SK9	Juvenille	3/10/99
	40	Rib unidentified	Both ands damaged	Tarso	SK9	Juvernie	3/10/89
304 Humanus, juvenile (39, 82)	40	Upper arm bone	Both ends missing	Arm	SK9	Juvenile	3/10/99
305 Rlb frag, juvenile (40, 94.5)	40	Rib unidentified		Torso	SK9	Juvenile	3/10/99
	4.0	RIb unidentified		Torsa	SKB	Juvenile	3/10/99
367 Human bone, flat piece ?	40	Palvic bone	Right illum fragment?	Hp	Unidentified	Unidentified	3/10/89
	40	Vartebra unidentified Arcus vertebrae	Probably lumbar vertebra	Torso	SK9	Juvenile	3/10/39
	40	Hib unidentified		Torso	SK9	านของกา	3/10/99
	40	Rib unidentified	11th or 12th nb. both ends slightly damaged	Torso	SK9	Juvenile	9710/88
	4.0	Venebra unidentified. Arcus ventebra	Thorsold vertebra	Torso	SK9	Juvenila	3/10/89
	4.0	Pelvic bone	Prob juvenile	Hip	Unidentitied	Undentified	3/10/99
	40	Metatarsal bone 1		Foot	SK7	Adott	3/10/99
	40	Meratursal bone 5		Foot	SK7	Adult	3/10/99
	0 4	Grantum	Very fragmentary but partly reconstructed, major bones are present	Head	SKB	Juvenile	3/10/89
	4.0	Deciduous tower canine		Dentition	SK9	Juvenile	3/10/99
	40	Mitdle Inger bons unidentified	Especially distal and damaged	Hand.	SKG	Juvenile	5/10/99

	(-050a	otes	XXX-1		477.7		0.73	No.	NAME OF	UTI-SE		100-	2-7421	110			0:18 1:20	50/21	1930-19	1994	
ė,	5/10/89	5/10/99	5/10/99	5/10/89	5/10/99	5/10/99	86/01/5	5/10/99	5/10/99	5/10/99	5/10/99	5/10/99	5/10/99	5/10/99	5/10/99	5/10/99	6/110/99	5/10/99	6/10/99	8/10/99	8/10/89
Date	20		9	.2	2/3	ù.	ŝ	5/2	ŝ	10)	ig _	ŝ	2	(2)	5	9	9	2	ω (u	8/1	
Age Class	Juvenile	Unidentified	Adult	Juvenile	Juvenile	duvenila	Adult	Juvenile	Juvenile	Juvenile	Juvenile	Juvenile	Juvenile	Juvenile	Juvenile	Adult	Adult	Adult	Adult	Adult	Unidentified
Individual	SK9	Unidentified	Unidentified	SK9	SK9	SK9	SK7	SK9	SK9	SK9	SK9	SK9	SK9	SK9	SK9	SK11	Unidentified	Unidentified	Unidentified	Unidentified	
Body part	Hand	Human unidentified	Foot	Torso	Агш	Head	2	Dentition	Leg	Leg	Leg	Leg	Atm	Arm	Hand	Foot	Foot	Faot	Hand	Foot	Human unidentified Unidentified
Detailed description	Both ends missing	3 very small fragments			Proximal end dmaged, distall end missing	Pact of ramus missing, RLm1, RLm2, RLM1 unerupted	2 fragments of illumilacies auricularis.		Both ands missing, badly preserved	Both ends missing, very badly preserved	Both ends missing, very badly preserved	Very fragile, both ends missing.	Both ends missing, very badly preserved	Distal end missing	+ 2 tiny fragments	Distal and damaged	Distal end missing, middle phalanx 17	Proximal end missing		Both ends missing	Small fragments
Matco Bone description	Proximal finger bone unidentified	Unidentified	Middle toe bone unidentified	Rib unidentified	Ulna	Lower jaw	Pelvic bone	Deciduous upper first molar	Shin bone	Thigh bone	Shin bone	Thigh bone	Upper arm bone	Uhta	Metacarpal bone 4	Metatarsal bone 3	Milidale toe bone unidentified	Proximal toe bone	Distal linger bane unidentified	Proximal toe bone unidentified	Holdenitted
Matco	4.0	4.0	40	40	4.0	0	4 0	4 0	40	4.0	4.0	4.0	40	4.0	4.0	9 0	40	40	40	40	4.0
Prefiminary description	321 Human bone (2 frags)	323 Human bone	325 Foot bone (toe), juvenile	326 Rib, juvenile	327 Ulna, juvenile	328 Mandible half, juvenije	329 Sacrum (2 pieces)	330 Tooth, Juvenils/upper molar	332 Tibia, juvenile	333 Femur, juvenile	334 Tibia, juvenile	335 Femur, juvenile, For DNA	335 Humerus, Juvenile	337 Ulna, Juvenile	338 Hand/foot bone, juvenile	339 Tog bone (larsal bone), adult	341 Finger/Toe bone	342 Finger/Toe bone	343 Finger/Toe bane	3.4.4 Finger/Toe bone	345 Human hone (11 trans)
Wreck Reg.	BILS	STIG	SIES	BILS	SIIG	BILS	SIIIS	BILS	BILS	SIIS	BILS	BILS	SIIS	BILS	BILS	BILLS	BILS	SIIIS	BILS	BILS	S III

o

Date	6/10/19	8/10/88	7/10/99	2/10/199	12/10/99	66/01/12	55/01/2	87101/88	3/10/99	3/10/99	8/10/89	7/150/99	7/10/99	8/10/89	86/01/8	8/10/88	8/10/99	8/10/88		8/10/89	8/10/89	8/10/89 8/10/89 8/10/89 8/10/89	8/10/89 8/10/89 8/10/89 8/10/89	8/10/89 8/10/89 8/10/89 8/10/89 8/10/99	8/10/89 8/10/89 8/10/89 8/10/89 8/10/89 8/10/89	8/10/89 8/10/89 8/10/89 8/10/89 8/10/89 8/10/89	8/10/89 8/10/89 8/10/89 8/10/89 8/10/89 8/10/89	8/10/89 8/10/89 8/10/89 8/10/89 8/10/89 8/10/89 8/10/89	8/10/89 8/10/89 8/10/89 8/10/89 8/10/89 8/10/89 8/10/89 8/10/8
Age Class	Juvenile	Unidentified	Adult	Unidentified	Unidentified	Unidentified	Aduit	Unidentified	Adult	Unidentified	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult		Adult	Adult	Adult Adult Adult	Adult Adult Adult Adult	Adult Adult Adult Adult Adult	Adult Adult Adult Adult Adult	Adult Adult Adult Adult Adult Adult Adult	Adult Adult Adult Adult Adult Adult Adult	Adult Adult Adult Adult Adult Adult Adult Adult	Adult Adult Adult Adult Adult Adult Adult Adult Adult
Individual	SKS	Unidentified	Unidentified	Unidentified	Unidentified	Unidentified	SKII	Unkdentified	SKS	Unidentified	SKII	Unidentified	Unidentified	SK10	SK10	SK10	SK10	SK10	SKJO	2410	SK10	SK10 SK10 SK10	SK10 SK10 SK10 SK10	SK10 SK10 SK10 SK10	SK10 SK10 SK10 SK10 SK10	SK10 SK10 SK10 SK10 SK10 SK10	SK10 SK10 SK10 SK10 SK10 SK10	SK10 SK10 SK10 SK10 SK10 SK10 SK10	SK10 SK10 SK10 SK10 SK10 SK10 SK10 SK10
Body part	Hand	Human unidentified	Foot	Human unidentified	Human unidentified	Human unidentified	Foot	Human unidentified	Dentition	Human unidentified	Torso	Torso	Torso	Hand	Hand	Hand	Hand	Квло	Hand	Manual Ma	Hand	Hand Hand Hand	Hand Hand Hand Hand	Hand Hand Hand Hand Hand	Hand Hand Hand Hand Hand Hand	Hand Hand Hand Hand Hand Hand	Hand Hand Hand Hand Hand Hand	Hand Hand Hand Hand Hand Hand Hand	Hand Hand Hand Hand Hand Hand Hand Hand
Detailed description		4 small fragments	6 Iragments probably mostly ankle bones.	9 very small fragments	3. small fragments			3 tragments		2 fragments					Proximal and missing.			Both ends missing									Proximal and missing.	Proteinal and missing.	Proteinal and missing.
Bone description	Distal finger bone	Unidentified	Unidentified	Unidentified	Unidentified	Unidentified	Proximal toe bone 1	Unidentified	Permanent upper third	Unidentified	Rib unidentified	Rib unidentified	Vertebra unidentified	Proximal finger bone 3	Metacarpal bone 4	Matacarpal bone 3	Proximal finger bone 2	Melacarpal bone 2	Proximal finger bone 4	Paradi Ingel Durie	Widdle froor bone 4	Middle finger bone 4 Distal finger bone 3	Middle finger bone 4 Distal finger bone 3 Middle finger bone 3	Middle finger bone 4 Distal finger bone 3 Middle finger bone 3 Distal tinger bone 5	Middle finger bone 4 Distal finger bone 3 Middle finger bone 3 Distal Inger bone 5 Middle finger bone 5	Middle finger bone 4 Distal finger bone 3 Middle finger bone 3 Distal Inger bone 5 Middle finger bone 2 Middle finger bone 2	Middle finger bone 4 Distal finger bone 3 Middle finger bone 5 Distal inger bone 5 Middle finger bone 2 Middle finger bone 2 Middle finger bone 5 Middle finger bone 5	Middle finger bone 4 Distal finger bone 3 Middle finger bone 5 Distal inger bone 5 Middle finger bone 5 Middle finger bone 2 Middle finger bone 5 Metacarpal bone 5 Proximal finger bone 5	Middle finger bone 4 Distal finger bone 3 Middle finger bone 5 Distal tinger bone 5 Middle finger bone 5 Middle finger bone 5 Middle finger bone 5 Metacarpal bone 5 Proximal finger bone 5 Distal finger bone 6
Matco	40	4.0	4.0	4:0	40	5 A	40	40	0	4.0	0.9	40	40	40	40	40	40	40	0 0	2	4.0	0 4	0 0 0	0 4 4 4 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4 4 4 9	0 4 4 4 4 4 4 0 0 0 0 0	0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
Reg. Preliminary description No.	348 Tiny Imperitoe bone, uivende	349 Human bones (5 frags)	352 Human bone frags (6)	353 Human bone frags (9) v.	35 4 Human bone	355 Human bone trags (3) v.	358 Foot bones (3)	359 Human bone frags (3)	373 Tooth Rm2	374 Human bone (2 (rags)	378 Human bone fragment.	380 Rib bone	381 Vertebra fragment	390 Carpal bone	391 Carpal bone	392 Carpal bone	393 Carpal bone	384 Carpal bone	395 Curpul bone	Sad Carpai Done	Service and problem	398 Carpal bone	399 Carpal bone 399 Carpal bone	398 Carpal bone 399 Carpal bone 400 Carpal bone	399 Carpal bone 399 Carpal bone 400 Carpal bone 401 Carpal bone	399 Carpal bone 399 Carpal bone 400 Carpal bone 401 Carpal bone 402 Carpal bone	399 Carpal bone 399 Carpal bone 400 Carpal bone 401 Carpal bone 402 Carpal bone 403 Carpal bone	399 Carpal bone 399 Carpal bone 400 Carpal bone 401 Carpal bone 402 Carpal bone 403 Carpal bone 403 Carpal bone	399 Carpal bone 399 Carpal bone 400 Carpal bone 401 Carpal bone 403 Carpal bone 403 Carpal bone 404 Carpal bone
Wreck R	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BIES	BILS	SIIG	BILS	BILS	BILS	BILS	BILS	BILS	BES.	SIIS	3 10		BILS	SIS	S	SI SI	SI SI SI	S S S S S S	S1 S	BILS BILS BILS BILS BILS BILS BILS

Date	7/10/99	7/10/98	7/10/89	27/10/99	2/10/99	7/10/99	7/10/99	7/10/88	7/10/99	7/10/99	7/10/89	3/10/83	3/10/63	3/10/99	3710/99	7/10/89	1 7/10/89	1 7/10/99	17/10/99	7//10/99	5/10/99	1710/99	1 12/10/99	9710/89	9/10/99	8/10/88	9/10/98	G. 1 5/2/2
Age Class	Adult	Adult	Adult	Adult	Adult	Adult	Adull	Adull	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Unidentified	Unidentified	Unidentified	Unidentified	Unidentified	Adull	Unidentified	Adult	Adult	Adult	Adult	Autuli
Individual	SK10	SK10	SK10	SK10	SK10	SK7	Unidentified	SK7	SK7	SK7	SK7	SK10	SK10	SK11	SK10	Unidentified	Unidentified	Unidentified	Unidentified	Unidentified	Unkdentified	Unidentified	Unidentified	SK7	SK7	SK7	SK7	1000
Body part	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Hand	Hand	Hand	Hand	Hand	Human unidentifled	Human unidentified	Human unidentified	Human unidentified	Human unidentified	Head	Human unidentilled	Foot	Poot	Foot	Foot	Though the same of
Detailed description							Both ends missing/damaged	Only slightly damaged	Only slightly damaged	Tuber calcanel.	Both ends missing, plus small fraument	Only slightly damaged	Only slightly damaged			Distal phalank 2?	8 Iragment, mostly long bone freaments	Ankle bones??	8 fragments	17 very small tragments	11 small fragments, 12 larger fragments, possibly from longbones, pelvis and or tarsal bones	Corpus	1 fragment					
Bone description	Proximal toe bone 2	Metatarsal bone 4	Metatarsal bone 2	Metatarsal bone 3	lateral cuneiform bone	Middle cunedorm bone	Proximal toe bone	lateral cunellorm bone	Navicular bone	Heat bone	Metatarsal bone 1	Capitatum bone	Distai finger bone 1	Proximal finger bone 1	Metacarpal bone 3	Distai Imper bone	Unidentified	Unidentified	Unidentified	Unidentified	Unidentified	Tongue bone	Unidentified	Milddle cunelform bane	lateral cunelform bone	Medial cuneiforni bone	Mayloular Bone	Heat born
Matco	40	40	40	0.4	90	40	40	40	40	40	0	40	40	40	40	40	40	40	40	40	0	40	4.0	40	40	4.0	40	07
Preliminary description	408 Tarsat bone C	409 Tarsai bone D	410 Tarsat bone E	411 Tarsal bone F	412 Tarsat bone G	413 Tarsai bone H	414 Toe bone	5 Foot bone A	415 Foot bone B	417 Foot fragment C	418 Foot bane	419 Finger bone B	420 Finger bones (2)	421 Finger bornes (4)	422 Finger bone	424 Toe/Finger bone	425 Human bone fragments (8)	426 Human bone fragments (6)	428 Human bone fragments (8)	429 Human bone fragments (17)	449 Human unidentified	450 Human bone	451 Human unidentified	452 Human bone	453 Human bone	454 Human bone	455 Human bone	Achie minned dome
Wreck Reg.	40	40	41	1/4	BILS 41	BILS 41	BILS 41	415	BILS 411	BILS 41	BILS 41	BILS 419	BLS 42	BILS 42	BUS 42	BILS 42	BILS 421	63	42	40	44	45	45	45	45	BILS 45		(1)

Wreck	No.	Preliminary description	Marco	Bone description	Detailled description	Body part	manaland	Age Class	
SIES	458	458 Human unidentified	40	Unidentified	3 very small tragments	Human unidentified	Unidentified	Unidentified	6/10//9
BILS	459	Fibula, SK77	40	Splirit bone	Distal and missing	Leg	SK7	Adult	8/10/88
BIS	460	Tibia. SK77	9	Shin bone	in 5 large fragments and some very small, pathology on the back of the tibia? - inflammation of periost? or bad preservation?	Log	SK7	Adult	9/10/38
BILS	461	461 Pelvis	4.0	Palvic bone	Acetabulum fragment (hip (oint)	HP	SK7	Adult	9/10/89
BILS	462	4 62 Femur frag	40	public bone	symphysis missing.	Hp	SK7	Adult	9/10/89
BAS	463	463 Patella. Rt.	40	knee bone		Leg	SK7	Adult	9/10/99
BILS	404	464 Fibula, Rt	40	Splint bone	Polus fragment: distal end? proximal end missing	Leg	SK7	Adult	9/10/99
BILS	4 65	465 Tbia. Rt	40	Shin bone	Proximal end separate tragment, plus other prox, fragment, prox, epiphysial line yeapely visible,	Ted	SK7	Adult	9/10/99
BILS	405	4.6.6. Sacrum/codcyx	0	Sacrum	nediana (dorsal coccyx and	柘	SK7	Adult	9/10/99
BILS	468 Rib	Rib	4.0	Rib unidentified		Torso	SK7	Adult	9/10/99
BILS	469	469 Rt. lemur. For DNA analysis	4.0	Thigh bone	Proximal part missing very dense black soil & roots inside the bone with white chalky material.	Leg	SK7	Adult	97,10799
STIB	470	470 Thin ?	40	Thigh bons	e distorted fragments, oken by pressure of to very straight if fracture line shaft	5ey	SK10	Adult	8/10/8
BRS	471	471 Scapula, Lr	4.0	Shoulder blade		Torso	SK7	Adult	9/10/99
BILS	472 Ulna	Ulna	40	Ulna		Arm	SK7	Adult	9/10/99
BILS	473	473 Radius	40	Hadrus	Proximal and distal ends missing	Arm	SK7	Adult	8/10/89
SIIS	47.4	474 Phalanges (2)	40	Proximal finger bone 2	Prob right prox phalanx 3, prox Hand end damaged, arthritis??	Hand	SK7	Adult	9/10/99

CL,	Preliminary description	Matco	Matco Bone description	Detailed description	Body part	Individual	Age Class	Date
UL 0	475 Rt humerus fragment (2 pleces)	40	Upper arm bone	2 tragments	Acm	SK7	Adult	9/10/68
	476 Phalanges (2)	40	Middle finger bane 3	Medial phalanx	Hand	SK7	Adult	9/10/99
	477; Skuli SK7	0	Cranium	Plus cheekbones (BICS 907/908) and 3 small tragments (and many tiny fragments) removed during cleaning	Head	SK	Adult	9/10/88
	478 Phatanges (2) under skull SK7	40	Distal linger bone 1	'Ostal end thumb	Hand	SK7	Adult	9/10/89
	479 Variebra 1	40	Vertebra C3	Corpus missing	Torso	SK7	Adult	9/10/98
	480 Varietra 2	40	Vertebra C4	Carpus missing	Torso	SK7	Adult	8/10/88
	4B1 Vertebra 3	40	Vertebra C6	Corpus missing	Tarso	SK7	Adult	9/10/6
	482 Variabra 4 (2 pieces) ::	40	Vertebra C7	in 2 fragments, corpus missing Torso	Torso	SK7	Adult	9/10/68
	483 Variebra B (2 piaces)	40	Vertebra T1	Corpus missing, + unid fragment	Torso	SKZ	Adult	9/10/89
	464 Mandible SK7. 2 x toose teeth - 10 in situ	0	Lower Jaw	all teeth present (2 incisors in BILS 485)	Head	SK7	Adull	9/10/99
-	485 Upper teeth in maxilla (5 teeth); 2 x frage of maxilla; 12 x loose teeth.	9	Upper jaw	Includes all upper teeth except Head LUM3, plus 2 lower incisors	Head	SK7	Adult	9/10/99
487	Phalanges (2) Hand A	40	Metacarpai bone 2	Proximal and damaged	Hand	SK10	Adull	10/10/99
	488 Rib	40	Rib unidentified	Both ands missing, rib 977	Torso	SK7	Adult	10/10/99
	489 Rib	40	Rib unidentified	Plus tragment unidentified, rib	Torso	SK7	Adull	10/10/99
	490 Rib	40	Rib unidentified	3 fragments no 1077	Torso	SK7	Adult	10/10/99
	491 Scapula, Right	0 #	Shoulder blade	Incomplete + 7 fragments	Torso	SK7	Adult	10/10/99
	492 Slaved soil from vertebra area of SK7	4	unidentified	42 small fragments	Torso	SK7	Adult	10/10/99
	493 Rtb	40	Rib unidentified	Both ends missing; rlb 3??	Torso	SK7	Adult	10/10/99
	494 Rtb	40	Rib unidentified	Both ends damaged; rlb 779	Torso	SK7	Aduit	10/10/99
	496 Vertebra A	40	Vertebra L5	Only arous vertebrae, asymmetric	Torso.	cys Cys	Adult	10/10/99
	497 Vertebra B	40	Vertebra L4	Corpus vertebrae missing, asymmetric tragment	Torso	c)s	Adull	10/10/88
	4Barvertein C	C3 -17	Veitebra L3:	Suppos varietiese missing,	Tulko	1310	Augus	10/10/33

Wreck	Reg.	Preliminary description	Matco	Bone description	Detailed description	Body part	Individual	Age Class	Date
BILS	40 (1)	499 Vertebra D	40	Veriebra L2	Corpus vertebrae missing, asymmetric; + fragment	Torso	SK7	Adult	10/10/99
Bus	200	500 Vertebra E	4.0	Variabra L1	Part of arcus vertebrae, asymmetric	Torso	SK7	Adust	10/10/99
BILS	50	501 Vertebra F	40	Vertebra T12	s vertebrae, proc ghtty bending	Torso	SK7	Adult	88/01/01
BILS	200	502 Humanus, Left	9	Upper arm bone	Proximal and missing, plus two transmiss: fracture	Arm	SK7	Adult	10/10/89
BILS	503	503 Veriebra G	40	Vertebra 710	ssing. + 3	Torso	SK7	Adult	55/01/01
BILS	203	504 Vertebra H	40	Vartebra: T9	Part of corpus vertebras missing, slightly bending proc- spinosus, plus 2 fragments	Torso	SK7	Adult	10/10/99
BILS	503	505 Vertebra I	40	Vertebra T8	Corpus verebrae missing. bending proc. spinosus	Torso	SK7	Adult	10/10/99
BILS	506	506 Vertebra J	40	Vertebra T7	Corpus venebrae missing, stightly banding proc. spinosus	Torso	SK7	Adult	10/10/99
BILS	200	507 Vertebra K	40	Venebra T6	Only arcus veriabrae, bending proc. spinosus	Torso	SK7	Adult	10/10/99
BILS	508	508 Vertebra L	40	Vertebra TS	tobrae	Torso	SK7	Adult	10/10/99
BILS	508	509 Vertebra M	10	Vertebra T4	Only arcus vertebras, plus 2 fragments	Tarsa	SK7	Adult	10/10/99
SIIIS	5,10	5 t 0 Vertebra N + textile fragment, fine weave.	+ 47 Te	+ 47 TexVertebra T3		Torsa	SK7	Adult	10/10/89
EN.S	19	511 Vertebra O	40	Vertebra 72	3 fragments	Torso	SK7	Adult	10/10/99
Sin	513	512 Clavicle SK7	40	Collar bone	Sternal and missing	Torso	SK7	Adult	10/10/99
BILS	10	513 First RIb SK7	40	RB 1	Both ands damaged	Torso	SK7	Adult	10/10/99
BILS	ţ,	514 Teath x 3 from SK8	0	Permanent upper first premotar		Dentition	SKB	Adult	10/10/99
BILS	518	515 Skull SK8	40	cranium	Very fragilia	Head	SKB	Subadult	10/10/99
5 118	818	518 Bone tragments from sleved soil from skull SK7 Area	40	Unidentified	Lots of small fragments from skull area incl rib frags and proc. styloideus (BILS 723)	Human unidentified	38.7	Adult	10/10/01
BILS	51	517 Bone Iragments	40	Unidentified	Hib, verlabra and long bone/list bone? fragments	Human unidentified	Unidentified	Unidentified	8/10/99

Wrack Reg.	Preliminary description	Matco	Matco Bone description	Detailed description	Body part	Individual	Age Class	Date
52	520 Bone Iragment (1)	4.0	Unidentilled	10 (ragmonts	Human unidentified	Unidentified	Unidentified	8/10/99
525	522 Sleved soil from feet area	40	Unidentified	Large number of small unidentifiable transments	Human unidentified	Unidentified	Unidentified	9/10/6
S.	523 Human bones 21 x largish + numerous small frags from sieved soil.	40	Ankla bone	leh?? calcaneus and talus !ragments. 21 x largish + numerous small freds	Foot	Unidentified	Adull	9/10/99
52	524 Sleved soil from skull and shouder area SK7	40	Unidentified	Lots of small fragments from skull & shoulder, incl no and venebre frags.	Human unidentified	SK7	Adult	10/10/99
25	525 Humerus SKB	0 4	Upper arm bons	Proximal end missing, distall and damaged & no opiphysis, some (vegue) groon staining	Arm	SKB	Subacult	10/10/99
525	526 Femur	0	Thigh bone	Distal end damaged, proximal end missing + 8 fragments	Leg	SK11	Adult	10/10/69
52	527 RIb SK7	40	Rib unidentified		Torso	SK7	Adult	10/10/99
528	528 Rtb SK7	40	Rib unidentified		Torsa	SK7	Adult	10/10/99
523	529 Rip SK7	40	Rib unidentified	Large fragment	Torso	SK7	Adult	10/10/89
53(530 Rip SK7	40	Rib unidentified	4 fragments	Torso	SK7	Adult	10/10/99
531	1 Rlb SK7	40	Rib unidentified	3 fragments	Tarso	SK7	Adult	10/10/99
537	532 Rib SK7	40	Rip unidentified	4 fragments	Torso	SK7	Adult	10/10/99
53	533 Clavicle + lirst nb 7	4.0	Collar bone	Lateral and missing.	Torso	SK7	Adult	10/10/99
53	534 Fingers (4)	9	Distal finger bone unidentified		Hand	SK7	Adult	10/10/99
53(536 RIb SK8	40	Rib 2		Torso	SK8	Subaduff	10/10/99
537	537 Rlb SK8	40	Hib 3		Torso	SK8	Subadult	10/10/99
53	538 Rib SK8	40	Ro 4		Torso	SK8	Subadull	10/10/99
533	539 Rib SK8	40	RIDS		Torso	SKS	Subadult	10/10/89
5.40	540 Rib SKB	40	9.00		Torso	SK8	Subaduli	10/10/89
4	541 Pib SK8	0	7是2	in 3 fragments litting together		SK8	Subadut	10/10/99
5.45	S 42 Rib SKB	9.9	Rib 8	In 9 fragments	Torso	SK8	Subadult	10/10/99
5.4.5	5.43 Rib SK8	4.0	Rib 9	Rib 92 5 tragments	Torso	SK8	Subadult	10/10/09
544	5.4.4 Vertstira SKB	4.0	Vertebra C6		Torso	SK8	Subadult	10/10/99
543	545 Vertebra SK8	9	Vertebra C5		Head	SK8	Subacult	10/10/99
548	549 Clavida	40	Collar bone	Both ends missing	Torso	SK8	Subadult	10/10/99
NO.	SS0IVertebral bones	9.0	Variabre unidentitied	27 fragmants	Torso	0.75	Output daily	40.00.10.

ANCODS 2002: Batavia skeletal material excavated from mass grave 1999-2001

Wreck Reg.		ricummary description	Matco	Bone description	Detailed description	body part	IDAMAN	segro phy	
BILS	552	552 Cervical vertebra SK8	0,4	Vertebra Ch. attas	Two fragments, fitting together, also 3 other cerv vertebrae in this find	Torso	SKB	Subadult	10/10/99
BILS	555	555 Sleved soll feet west 2 x toe bones	4.0	Unidentified	nts	Foot	SK7	Unidentified	11/10/99
BILS	556	556 Human bones A SK11	40	Sacrum	3 fragments	HB	SK11	Adult	12/10/99
BILS	557	557 Human bones 8 SK11	40	Vertebra L5		Torso	SK11	Adult	12/10/89
BILS	558	558 Hurnan bones C SK11	40	Vertebra L4	Only arcus vertebrae	Torso	SK11	Adult	12/10/99
BILS	559	559 Human bones D SK11	4.0	Vertebra L3	Only srcus vertabrae	Torso	SK11	Adult	12/10/99
BILS	560	560 Human bones E SK11	40	Vertebra L2		Torso	SKII	Adult	12/10/99
BILS	561	561 Human bones F SK11	40	Vertebra L1	Only arcus vertebras	Torso	SK11	Adult	12/10/98
BILS	582	562 Human bones G SK11	40	Vertebra 712	Only arous variebrae	Torso	SK11	Adult	12/10/89
BILS	583	583 Muman bonès H SK11	40	Vertebra T11	Very fragmentary, arous vertebra	Torso	SK11	Adult	12/10/99
BRS	564	554 Human bones I SK11	40	Vertebra unidentified	4 fragments, thoracic vertebra	Torso	SK11	Adult	12/10/99
BILS	585	565 Human bones J SK11	40	Variabra unidentified	9 fragments of 3 moraclo	Torso	SK11	Adult	12/10/88
BLS	566	556 Human bones K SK11	0	Vertebra unidentified	vertebrae, thorsoic	Torso	SK11	Adult	12/10/99
BILS	567	567 Human bones L SK11	04	Vertebra unidentified	Corpus fragment only, from thoracle region	Torso	SK11	Adult	12/10/99
BILS	558	568 Human bones M SK11	40	Vertabra unidentified	ree Iragment, se of 2 ae, one with nocus	Torsa	SK11	Adult	12/10/99
BKS	569	569 Human bones N SK11	40	Vertebre unidentified	thoracic	Torso	SKII	Adult	12/10/98
BILS	570	570 Human bones O SK11	40	Vertebra unidentified	Fragment (+ smalter frags) of arcus worlebree, thorapic	Torso	SK11	Adult	12/10/99
BLS	571	571 Human bones P SK11	0	Verlebra unidentified		Torso	SK11	Aduit	12/10/99
Sills	572	572 Human bones O SK11	40	Variebra unidentified	agment.	Torso	SK11	Adult	12/10/99
BILS	573	573 Human bones R SK11	40	Vertebra unidentified	agments, cervical?	Torsa	SKII	Adult	12/10/99
BILS	534	574 Human bonés S SK11	40	Vertebra unidentified		Torso	SK11	Actult	12/10/99
BRS	575	575 Human bones T SK11	40	Variabra unidentified	2 fragments of arcus	Torso	11.00	Aguit	12/10/99

ANCODS 2002: Batavia skeletal material excavated from mass grave 1999-2001

									1						U								
	12/10/99	12/10/99	66/0	98/0	06/0	66/0	56/0	66/0	66/0	96/0	96/0	56/0	88/0	86/0	86/0	66/0	6870	66/0	66/0	66/0	86/0	86/0	66/0
Date	1,2,1	12/1	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	12/10/99	11/10/99	11/10/99	11/10/99	11/10/89	11/10/99	11/10/99	11/10/99	11/18/99	11/10/98	11/10/89
Age Class	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Subadult	Subadull	Subadult	Subaduft	Subadult	Adult	Subadult	Adult	Adult	Adult	Adull	Adult	Adull	Adult	Adull	Adull
Individual	sk11	SK11	SKt1	SKtt	SKTT	SK11	SK11	SKB	SKB	SKB	SKB	SK8	SK11	SKB	SK11	SK11	SK11	SK11	SK11	SK11	SK11	SK11	SK11
Body part	Torso	Torso	Torsa	Torso	Torso	Torso	Torso	Hand	Hand	Arm	Arm	Hand	Hand	Torso.	Foot	Foot	Foot	Foot	Foot	Faot	Foot	Foot	Foot
Detailed description	2 fragments of arcus vertabrate, cervical	Left side of arcus vertebrae, cervical	y 3rd rib		Two fragments	ng n	jments*	No proximal epiphysis, green stain on paims! surface. Left?	Both proximal and distal ends damaged, proximal end no epichysis, Lett?	ng, Proximal s, Bad	Both ends missing, green stain Arm towards distal end	- Gu		8 small fragments, probably r/b/vertebras		3 tragments	Both ands missing	/damaged			Os cunalforma madiala accordina to position	nts; os	nt; os coarding
Bane description	Variebra unidentified	Vertebra unidentified	Rib 3	Rib 2	Rib 1	Collar bone	Shoulder blade	Proximal linger bone unidentified	Proximal linger bone unidentified	Uma	Radius	Metacarpal bone 1	Distal finger bane 1	Rib unidentified	Proximal toe bone 1	Metatarsal bone 1	Metatarsal bone 2	Metatarsal bone 3	Metatarsal bone 4	Metatarsal bone 5	Ankle bone unidentified	Ankle bane unidentified	Ankle bone unidentified
Mattoo	0 4	07	4.0	40	4.0	40	40	0	40	40	40	40	4.0	40	40	40	4.0	40	40	40	40	40	40
Pretiminary description	576 Human bones U SK11	577 Human bones V SK11	578 RID SK11	579 Rtb SK11	580 Rib SK11	581 Clavide 5K11	Scapula SK11	Pitalange SK8	584 Phalange SK87	SB5 Redius SK8	586 Una SKB	Phalanges (2) + Button	589 Hand bones SK11?	591 Sleved soil from skull area SK8 + arm and rib cade	Phalange	595 Metstatrsal Lt foot SK 11	596 Metatersal Lt Foot SK 11	597 Metatersal Lt Foot SK 11	598 Metatarsal Lt Foot SK 11	599 Metatersal Lt Foot SK 11	600 Tarsat A Lt Foot SK 11	601 Tarsal B Lt Foot SK 11	602 Tarsal C.Lt Foot SK 11
Reg.	576	577	578	525	580	583	582	10 10 10	584	585	586	587	589	591	584	595	596	597	598	599	800	601	602
Wreck	BILS	BILS	BILS	BILS	BILS.	BILS	Sills	BILS	BICS	BILS	BALS	BILS	BILS	BILS	SIR	RILS	BILS	BILS	BILS	BILS	STIB	STILS	BILS

					ΙÏ							_												T	7
Date	11/10/99	11/10/99	11/10/99	11/10/88	11/10/99	11/10/99	11/10/99	11/10/89	11/10/99	11/10/89	11/10/99	11/10/99	11/10/99	11/10/99	11/10/89	11//10/89	11/10/99	11//10/99	11/10/99	11/10/99	11/10/88	11/10/99	11//10/99	11/10/89	
Age Class	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Agult	Aduli	Adult	Adult	Adult	Adult	
Individual	SK11	SKII	SKIT	SK11	SK11	SK11	SK11	SK11	SKII	BK11	SK11	Unidentified	Unidentified	SK11	SK11	SK11	SK11	SK11	Unidentified	SK11	SK11	SK11	SK11	2124	
Body part	Foot	Foot	Foot	Foot	Fed	Teg	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Leg	Torso	Torso	Torso	Torso	
Detailed description		Small fragments of tafus	3 fragments; os auboideum according to position	eus	Both ends missing. +	nd missing, distal			Proximal and damaged	3 tragments		In 2 fragments, both ends missing	ds missing			Talus?	Os cuboideum?	Calcaneum?	Proximal and damaged		In three fragments fitting together, green staining at sternal and	ments litting	tameged, bright	and thank becall	fradmente preen staining
Matco Bone description	Navicular born	Ankle bone	Ankle bane unidentified	Heal bone	Shin bone	Splint bone	Proximal toe bone unidentified	Proximal toe bone unidentified	Proximal toe bone	Metalarsal bone 3	Metatarsal bone 2	Metatarsal bone 4	Metatarsul bone 5	Navicular bone	Tarsal bone unidentified	Tarsat boné unidentilled	Tarsal bone unidentified	Tarsal bone unidentified	M bone 1	Knee bone	Rib 2	Rib 3	Hib 4	9 411	
Matco	40	40	40	4.0	40	0 4	4 0	40	4.0	40	40	40	40	4.0	40	4.0	40	40	40	40	40	4.0	40	40	1
Reg. Preliminary description No.	603 Tarsal D Lt Foot SK 11	604 Tarsal E Lt Foot SK 11	605 Tanal F Lt Foot (Talus) SK	606 Tarsal G Lt Foot (Calcanus) SK 11	607 Tibia. Lt Leg SK 11	608 Fibula Li log SK 11	609 Phalange, Rt fcot SK 11	610 Phalange. Rt foot SK 11	611 Phatange, Rt foot SK 11	612 Metatarsal, Rt foot SK 11	613 Metatarsal, Rt foot SK 11	614 Metatarsal, Rt foot SK 11	615 Metatarsal. Rt foot SK 11	616 Tarsal A. Rt toot SK 11	617 Tarsal B. Ri toot SK 11	618 Tarsal C. Rt foot SK 11	619 Tarsal D. At tool SK 11	620 Tarsal E. Rt toot SK 11	621 Metatarsal + phalange Rt foot SK11	622 Patella. Li log, SK11	624 Rib. SK 11	625 Rtb. SK 11	626 Rlb. SK 11	627 Rib SK 11	
Wreck	BILS	BES	BILS	BIIS	BALS	BES	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	SIES	BILS	BILS	BILS	BIES	BILS	BILS	Sile	

en:

No.	Preliminary description	Matco	Bone description	Detailed description	Body part	Individual	Age Class	Date
628	628 Rlb. SK 11	40	Rib 6	lin 4 large fragments fitting todether	Torso	SKII	Adult	11/10/99
629 Fib.	RID. SK 11	40	Rib 7	Both ends missing	Torso	SK11	Adult	11/10/99
630 Rib.	RID. SK 11	40	Rib 8	Especially distal end damaged	Tarsa	SK11	Adult	11/10/99
631	Rtb. SK 11	40	R/b 9	Both ends missing	Torso	SKII	Adutt	11/10/99
632	RIb. SK 11	4.0	Rib unidentified	Distal end	Torso	SK11	Adult	11/10/89
633 Rib.	RIb, SK 11	40	Hib unidentified	Distal end	Torso	SK11	Adult	11/10/99
634	634 Rib. SK 11	40	Rib unidentified		Torso	SK11	Adult	11/10/99
635	635 Rib. SK 11	40	Rib unidentified	2 fragments fitting together	Torso	SK11	Adult	11/10/99
636	636 Humerus, SK 11	40	Upper arm bone	Proximal end missing, distallend damaged	Aim	SK11	Adult	11/10/99
637	637 Uma. SK 11	40	Ulna	Distal end missing green stains halfway and towards distal end; pathological lump on shait?	Arm	SK11	Adult	11/10/99
638	638 Radius, SK 11	40	Radius	Distal and missing	Arm	SK11	Adult	11/10/99
639	639 Rib SK 11 (Underneath last southern Lt. ribs)	40	Rib 10	3 fragments litting together	Torso	SK11	Adult	11/10/98
640	640 Rtb. SK 11 (Underneath last southern Lt ribs)	40	Rib 11	Both ends missing	Torso	SK11	Adult	11/10/99
641	641 Rib. SK 11	4.0	Rib 1	Both ends missing	Torso	SK11	Adult	11/10/99
642	642 Clavicie, SK 11	40	Collar bone	Lateral end missing, medial end damaged	Torso	SK11	Adult	11/10/99
643	Scapula, SK 11	40	Shoulder blade	Plus small fragments, green staining on distal end.	Torso	SK11	Adult	11/10/99
644	644 Human unidentified	40	Unidentified	16 (ragments, probably from pelvis and vertebrae and or feet	Human unidentified	Unidentified	Unidentified	5/10/89
645	645 Phatange, Li foot SK 10	4.0	Distal toe bone unidentified	Fusad with middle toe bone	Foot	SK10	Adult	11/10/99
646	646 Phalange, LI foot, SK 10	40	Proximal toe bone 4		Foot	SKto	Adult	11/10/99
647	647 Phalange. Li foot. SK 10	40	Proximal toe bone 5		Foot	SK10	Adult	66/01/11
648	648 Metatarsal. Li foot, SK 10	4.0	Metatarsal bone 5		Foot	SK10	Adult	11/10/99
649	649 Metatarsal, Li foot, SK 10	40	Metasarsal bone 1		Foot	SKID	Adult	11/110/99
650	650 Sternum	4.0	Lower breast bone	1 section of juvenile sternum	Torso	SK9	Juvenile	5710/99
651	651 Tarsal, Li foot, SK 10	40	Miedial cunellorm bone		Foot	SK10	Adult	11/10/99
652	652 Tersal, Li foot, SK 10	4.0	Cuboid bons		Foot	SKID	Adult	66/01/11

2	0	Detailed description	Body part	individual organ	Age Class	Date
40 Milda	Mirdole cunefform bone.	2 fragments	Foot	SK10	Adult	11/10/99
40 Ankle bone	ропо		Foot	SK10	Agult	11/10/20
40 Shin bone	pi.	2 large tragments and some smaller trags. Both ends missing. Bony outgrowth in muscle attachment / foramen nutritium area.	6a-1	SK10	Adult	11/10/99
4.0 Splint bone	оле	Distal and missing, proximal and damaged, fresh fracture	reg.	SK10	Adult	11/10/99
	Distal toe bone 1	Distal and missing	Foot	SK10	Adult	11/10/99
	Proximal toe bone 1	Two tragments*	Foot	SK10	Adult	11/10/99
40 Distal fir	Distal finger bone 1	Slightly damaged at proximal end.	Hand	SK11	Adult	11/10/99
	Il bone 5	Both ands missing	Foot	SK10	Adult	11/10/99
40 Meterars	Métatarsal bone 1	Both ands missing	Foot	SK10	Adult	11/10/88
40 Shin bone		6 tragments including malfeolus medialia	Leg	SK10	Adult	11/10/89
40 Metacarpal bong 1	L bone 1		Hand	SK10	Adult	11/1/0/99
40 Upper arm bone	bone	Both ends missing	Arm	SKB	Subadult	11/10/89
4.0 Proximal toe bone unidentified	toe bone ed	Both ends missing + small fragment	Foot	SK10	Adult	11/10/99
4.0 Proximal toe bone unidentified	oe bone	Both ends missing	Foot	SK10	Adult	11/10/99
40 Metatarsal bone 2	barne 2	both ends missing	Foot	SKTO	Adult	11/10/99
4.0 Metatarsal bone 3	bane 3	Both ends missing	Foot	SKID	Adult	11/10/99
4.0 Metetarsal bone 4	L bone 4	Both ends missing	Foot	SK10	Adult	11/10/99
40 Shin bona		Tibia in 4 large and 2 small fragments	Leg	SKII	Adutt	11/10/99
40 Distal fine	Distal finger bone 4	Longitudinally cracked with sand in the cracks - perimortem?	Hand	SK11	Adult	11/10/89
40 Distal fine	Distal finger bone 5		Hand	SK11	Adult	11/10/99
	Milddle finger bone 5		Hand	SK11	Adult	11/10/99
	Proximal linger bone 5	Proximal and missing.	Hand	SK11	Adult	11/10/99
4 U Muddle finger bone 4			Balance 2000	1.001.001.007	Lacourage and Control of the Control	000000000

Wreck	Reg. No.	Preliminary description	Matco	Bone description	Detailed description	Body part	Individual	Age Class	Date
S	7089	680 Lower Jaw	0	Lower jaw	Right ramus & condyle broken off due to bad preservation, this part is present but does not fit, teeth in situ: L molars (incl unerupted M3), L premolars, both carines, all incisors, LRP1. LR molars are present!	Head	S S	Subadul	
BILS	681P	681 Phalange, Hand B	O N	Proximal finger bone 4	proximal and missing.	Hand	SK11	Adult	11/10/99
BILS	682 P	682 Phatange, Hand B	40	Miiddle finger bane 3		Hand	SK11	Adult	11/10/89
BILS	683	683 Phalange, Hand B	40	Proximal finger bone 3	Proximal end missing.	Hand	SK11	Adult	11/10/89
BILS	684T	684 Tooth, Permanent lower first molar	40	Permanent lower first molar		Dentition	SK8	Subadult	
SILS	685 W	685 Metacarpais, Hand B	4.0	Metacarpal bone 2	Both ends missing	Hand	SK11	Adult	11/10/99
BILS	686 N	686 Metacarpals, Hand B	4.0	Metacarpal bone 1	Proximal end slightly damaged	Hand	SK11	Adult	11/10/99
BILS	687 N	687 Metacarpals, Hand B.	40	Trapezium bone		Hand	SK11	Adult	11/10/99
BILS	888	688 Carpal, Hand B	40	Navicular bone	Plus small fragment	Hand	SK11	Adult	11/10/99
BILS	689 T	689 Tooth, Permanent lower second molar	40	Permanent lower second molar		Dentition	SK8	Subadult	
BILS	691 N	691 Metacarpal, Hand B	40	Metacarpal bone 3	Both ends missing	Hand	SK11	Adult	11/10/99
BILS	692 N	692 Metacarpal, Hand B	40	Metacarpal bone 4	Both ends missing	Hand	SK11	Adult	11/10/99
BILS	693 N	693 Metacarpal Hand B	40	Metacarpal bone 5	Both ends missing	Hand	SK11	Adolf	11/10/99
SIR	694C	694 Carpais x 4, Hand B	40	Lunar bane		Hand	SK11	Adult	11/10/89
BILS	695.0	Clean up. Hand B	40	Finger bone unidentified	Metacarpal bone frags and other small fragments	Hand	Unidentified	Adult	11/10/99
BILS	696T	695 Tooth, Permanent lower third motar	4 0	Permanent lower third molar		Dentition	SK8	Subadult	
BILS	T 769	697 Tooth, Permanent upper central incisor	40	Permanent upper central incisor		Dentition	SK8	Subadult	
BILS	598 T	Tooth, Permanent upper lateral incisor	40	Permanent upper lateral incisor		Dentition	SK8	Subadult	
BILS	699 Toath,	Tooth, Permanent upper canine	40	Permanent upper canine		Dentition	SKB	Subadult	
BILS	7007	700 Tooth, Permanent upper	4.0	Permanent upper first		Dentition	SK8	Subadull	
		III DI TITALITICA		The second second					1

CV

Total description		pone describinon	Detailed description	Body part	manyidua	Age Ciass	200
701 Tooth, Permanent upper central Incisor	40	Permanent upper central		Dentition	SK8	Subadult	
702 Tooth, Permanent upper	40	Permanent upper lateral		Dentition	SK8	Subadult	
703 Tooth, Permanent upper canine	40	Parmanent upper canine		Dentition	SK8	Subadult	
704 Tooth, Permanent upper second premolar	40	Permanant upper second premolar		Dentition	SK8	Subaduti	
705 Tooth, Permanent upper second premolar	9	Permanent upper second premoter		Dentition	SK8	Subadult	
706 Tooth, Permanent upper first molar	4.0	Permanent upper first molar		Dentition	SKS	Subadult	
707 Tooth, Permanent upper	4.0	Permanent upper second motar	Four fully developed roots	Dantition	SKB	Subadult	
708 Tooth, Permanent upper third molar	40	Permanent upper third motar	Unerupted	Dentition	SK8	Subaduft	
709 Tooth, Deciduous upper	4.0	Deciduous upper canine	Retained milk tooth besides permanent canine	Dentition	SK8	Juvenile	
710 Vertebra.	40	Vertebra C1, attas	Part with articulation for dens of axis	Torsa	SK8	Subadult	
713 Human unidentified	40	Unidentitled	Very small fragments	Human unidentified	Unidentified	Unidentified	12/10/99
718 Clean up vertebral column. SK 11	4.0	Rib unidentified	Lots of small rib fragments	Torso	SK11	Adult	12/10/99
720 Human bone	4:0	Unidentilled	Many tiny fragments	Human unidentified	Unidentified	Unidentified	8/10/89
721 Human bone	40	Ear ossicle	Hammer + anvil	Head	SK7	Adult	
722 Human bone	40	Ear ossicle	Hammer + anvil	Hend	SK7	Adult	
723 Human bone	4.0	base region unidentified	Styleid process skull SK7 (Ills)	Head	SK7.	Adult	
724 Human bone	4.0	Cheek bone	With 2 loose fragments	Head	SK8	Subadult	
725 Human bone	40	Cheek bone	Arcus zygomaticus	Неап	SK8	Subadult	
727 Human bone	0.4	Permanent lower second premolar	Plus small fragment mandble	Dentition	SK8	Subadult	
728 Phalanges (2), SK 8 Button (1) directly underneath northern and of uins & nedlus.		32 Non-lyPhalanges (2)	Plus button	Hand	SK8	Subadult	12/10/29
729 Tooth. Permanent upper	40	Permanent upper third	Unerupted M3, crown only	Dentition	SK8	Subadull	

ANCODS 2002: Batavia skeletal material excavated from mass grave 1999-2001

Wreck	Reg.	Preliminary description	Matco	Bone description	Detailed description	Body part	Individual	Age Class	Date
BILS	730	730 NW Sleved lump rib cage SK	0	Rib unidentified	Lots of (very) small fragments Tarso	Tarso	SK10	Adult	12/10/99
57	731	731 Rib (on top of lump 238 (SK	4.0	Rib unidentified	Small and bigger fragments	Tarsa	SK10	Adult	12/10/99
BILS	732	732 Rib (on top of lump 238 (SK	0 7	Rib unidentitied	Some sizable and many very small fragments	Torso	SK10	Adull	12/10/99
BLS	735	735 Rib (on top of lump 238 (SK	40	Rib unidentified	able fragment	Torso	SK10	Adutt	12/10/88
BILS	736	735 Rb (on top of lump 238 (SK	0	Rib unidentified		Torso	SK10	Adult	12/10/99
BILS	740	740 Rib(s) SK 10	40	Rib unidentified	Several small fragments	Torso	SK10	Adult	12/10/89
BILS	741	741 Rib SK 10	0#	Rib unidentified	11th or 12th rlb?	Torso	SK10	Adult	12/10/89
BILS	742	742 Lumbar vertebrae (2) (SK (10 %)	40	Vertebra unidentified	Lumbar vertebra	Torso	SK10	Adult	12/10/99
BILS	7.6.4	744 Pelvis Itagments SK 11	40	Pelvic bone		Hp	SK11	Adult	12/10/98
BILS	745	745 Pelvis fragments SK 11	40	Pelvic bone		石	SK11	Adult	12/10/99
BILS	746	746 Long bone fragment SK 10?	40	Thigh bone	Probably femur, left?	Leg	SK10	Adult	12/10/99
BILS	747	747 Long bone fragment SK 107	0.4	Unidentified	Probably part of left femur SK10	Long bone	SK107	Adull	12/10/99
BILS	748	748 Bone fragment, End of ulna 7 8K 10?	40	Knee bone	Two small tragments of medial side	Leg	SK10	Adult	12/10/99
BILS	749	749 Bone fragment, SK 7	40	Unidentified	Rib area	Human unidentified	SK7	Unidentified	12/10/99
BILS	753	753 Ribs Sk 10	40	Rib unidentified	ents of 1 or 2 ribs	Torso	SK10	Adult	12/10/99
BILS	764	764 Human bone	40	Radus	Distal end	Arm	SK11	Aduff	21/2/2001
BILS	766	766 Human bone	40	Permanent upper third		Dentition	SK7	Adull	5/10/88
BILS	768	768 Human bone	4.0	Unidentified	11 small tragments	Human unidentified	Unidentified	Unidentified	12/10/99
BILS	775	775 Human bone	40	Unidentified	3 small fragments	Human unidentified	Unidentified	Unidentified	12/10/99
BILS	7777	777 Human bone	40	Unidentified	Very small fragments	Human unidentified	Unidentified	Unidentified	12/10/99
BILS	788	788 Human bone.	40	Cheek bone		Head	SK6	Adult	3/10/99
器の	789	789 Human bone	40	Crantum		Head	SK6	Adult	30/8/88
BILS	790	790 Human bone	40	Upper jaw	Right side of nose.	Head	SK7	Adult	
BILS	791	791 Human bone	*	Unidentified	1	Human unidentified	Unidentified	unidentified	
SE S	792	792 Human bone	40	Ear ossiole hammer	Either left or right petrosal SK5	Head	SKS	Adult	3/10/88
BES	793	793 Human bone	4.0	Ear ossicle anvil	Either left or right petrosal SK5	Head	SKE	Adull	3(10/33

57.72

Date						10/10/99	10/10/89	10/10/99	10/10/89	10/10/99	10/10/99	10/10/99	10/10/99	10/10/99	10/10/99	10/10/99	5/10/88	5/10/88	5/10/88	5/10/89	5/10/99			-	
Age Class	Subadult	Subadull	Subadut	Subadult	Subadult	Subadult	Subadult	Subaduli	Adult	Unidentified	Subadult	Subadult	Subadult	Subadult	Subadult	Subaduli	unidentified	Juvenile	Juvenile	Juvenile	Adult	Adult	Adult	Adall	Adult
Individual	sks	SHCB	SKB	SK8	SK8	SKB	SK8	SK8	SKB	SK8	SK8	SK8	SK8	SK8	SKB	SK8	Unidentified	SK9	SK9	SK9	CNS.	SK7	SK7	SK7	SK7
Body part	Torso	Torso	Torso	Torso	Head	Torso	Torso	Head	Hand	Long bone	Torso	Torso	Torso	Torso	Tarso	Tarso	Human unidentified	Head	Head	Head	Tarso	Torso	Torso	Torso	Torso
Detailed description	in 3 fragments titting together Torso	Mainly arcus vertebrass	us vertebra					2 fragments	Fully grown	, possibly arm	13		is of mainly	nts of both ends	alls		nidentified				Processus spinosus, thoracic?		Fragment of proc. Coracoldeus Torso	Medial and, rib 2?	3 left nos in many fragments.
Matco Bone description	Vertabra C2, axis	Vertebra C3	Vartebra C4	Vertebra C4	Lower jaw	Vertebra C6	Vertebra C5	unidentified	F		Rib 1	Rib unidentified	Shoulder blade	Collar bone	Vertebra unidentified	Rib unidentified	Unidentified	Vault region unidentified	e Pars lateralis	Occipital bone Pars lateralis	Vertebra unidentified	R(b.s	Shoulder blade	Rib unidentified	unidentified
Matco	4.0	40	4.0	40	40	40	40	40	0.9	40	40	4.0	40	40	40	40	40	40	40	40	40	40	40	40	4.0
Preliminary description	79.4 Human bone	795 Human bone	796 Human bone	797 Human bone	798 Human bone	799 Human bone	800 Human bone	801 Human bone	802 Human bone	803 Human bone	804 Human bone	805 Human bone	806 Human bone	807 Human bons	08 Human bone	809 Human bone	810 Human bone	811 Human bone	812 Muman bone	813 Human bone	815 Human bone	1 6 Human bone	817 Human bone	18 Human bane	819 Human bone
Wreck Reg.	BILS 7	BM.S 7	BILS 7	PILS 7	ELS 7	BILS 7		BILS 8	BILS 8	BILS 8/	BILS 8	BILS BI	BILS 8	BUS B	BILS 8	BILS	BILS		BILS	8 SUB	8 STAG	BILS	BILS 8	BLS	BILS

Wreck	Reg.	Preliminary description	MBICO	Matco Bone description	Detailed description	ned hear	Individual	Age Cinks	Parie
	820	820 Human bone	0 4	Methonipal bone 3	Both ends damaged/missing	Hand	SK7	Adult	86/01/6
BILS	821	821 Human bone	40	Proximal tinger bone 4		Hand	SK7	Adult	
BILS	822	822 Human bone	0 4	Proximal finger bone 5	Proximal and damaged,	Hand	SK7	Adult	
BILS	823	823 Human bone	4.0	Middle Imger bone 4	VI	Hand	SK7	Adult	
Bos	824	824 Human bone	40	Middle linger bone 2		Hand	SKO	Adult	
5 118	825	825 Human bone	4.0	Proximal finger bone 1		Hand	SK2	Adult	
SMS	828	826 Human bone. Ulna, juvenile	40	Ulna	Distal and missing	Arm	SK9	Juverille	
BILS	827	827,Human bone	4.0	Proximal finger bone 1	Lett thumb? proximal epiphysis missing.	Hend	SKB	Subaduli	12/10/99
BILS	828	828 Human bond	0.9	Distal toe bone unidentified		Foot	SK7	Adult	
BILS	828	829 Human bone	40	Distal toe bone unidentified		Faor	SK7	Adult	
BILS	830	830 Human bone	40	Heel bone	Lateral side + luber calcanei missing	Foot	SK7	Adult	86/01/6
BILS	831	831 Human bone	4.0	Ankle bone	V-	Foot	SK7	Aduli	9/10/99
27 H	832	832 Human bone	70	Cuboid bané	Dorsal side missing	Foot	SK7	Adult	9710/99
BKS	833	833 Human bone	40	Metatarsal bone 2	Pathological? distal end missing, proximal end damaged	Foot	SK7	Adult	8/10/88
BILS	834	834 Human bone	40	Metatarsal bona 3	Pathological? Distal end missing, proximal end damaged	Foot	SK7	Adult	9/10/89
BILS	835	835 Human bone	40	Metatarsal bone 4	Pathological? Distal and missing, prox and damaged	Foot	SK7	Adult	9/10/69
	836	838 Human bone	40	Metatarsaf bone 5	Pathological? Distal and missing proximal and idamaged	Foot	SK7	Adull	9/110/99
	837	837 Human bans	40	Radius proximal epiphysis		Arm	SK8	Subadult	
	838	838 Human bone	40	Proximal linger bone 1		Hand	SK11	Adult	12/10/99
BILS	838	838 Human bone	04	Proximal finger bone unidentified	Proximal and missing	Hand	SKTI	Adult	12/10/99
BILS	840	840 Human bone	99	Proximal finger bone unidentified	Plus small rib fragments	Hand	SK11	Adult	12/10/99
BILS	841	841 Human bone	40	Middle finger bone		Hand	SK11	Adult	12/10/99
BILS	842	842 Human bone	4.0	Mayoralar bone		Harrel	SKII	Achill	19/10/00

-	Prejiminary describition	Marco	Sane description	Detailed description	Body part	Individual	Ago Class	9
1	843 Human bone	40	Lunar bone		Hand	SK11	Adult	12/10/99
-5	844 Human bone	40	Vertebra L5		Torsa	SK11	Adult	
-4.	845 Human bone	4.0	Rib unidentified		Torso	SK11	Adult	
£	845 Human bone	40	Rib unidentified		Torso	SK11	Adult	
E	847 Human bone	40	Shoulder blade	2 small fragments	Torso	SK11	Adult	
4	848 Human bone	40	Vertebra unidentified	Small fragments	Torso	SKTT	Adult	
4	849 Human bone	0	Finger bone unidentified	4 phalanges fragments, 1 incomplete distal phalanx, 1 incomplete distal phalanx? they appear subadult - SK8??	Mand	Unidentified	Unidentified	
1	850 Human bone	4	Ear osside	Incus, malleus & stapes present from left ear SK9	Head	SKg	Juvenile	3/10/88
T	852 Human bone	40	Triquetrum bone		Hand	SK11	Adult	
T	uman bone	4.0	Hamstum bons		Hand	SK11	Adult	
-	uman bone	4.0	Capitatum bona		Hand	SK11	Adult	
1	855 Human bone	40	Pisiform bone		Hand	SK11	Adult	
Ξ	857 Human bone	0 #	Os sesamoideus		Foot	SKT0	Adult	
=	858 Human bone	40	Os sesamoideus		Foot	SK10	Adult	
-	859 Human bone	40	Tarsal bone unidentified	Lats of fragments, possibly of talus, calcaneus or os cunsiform laterale.	Foot	SK10	Adult	
4	850 Human bone	4.0	Proximal toe bone 3		Foot	SK10	Adult	7/10/99
T	861 Human bone	40	Middle toe bone unidentified		Foot	SK10	Adult	7/10/99
T	862 Human bone	40	Middle toe bone unidentified	Probably left. Especially distal and missing.	Foot	SK10	Adult	
1	863 Human bone	40	Trapazkim bone		Hand	SK10	Adult	
=	854 Human bone	40	Trapazoideum bone		Hand	SKTO	Adult	
1	865 Human bone	40	Proximal finger bone 1		Hand	SK10	Adult	
10	556 Muman bona	0.4	Proximal finger bons unidentified	Prox phalanx 27	Hand	SK10	Adult	
-	867 Human bone	4.0	Distal toe bone 1		Foot	SK11	Adult	7/10/99
4	568 Human bone	40	Proximal toe bone unidentified		Foot	SK11	Adult	2/10/99
	869 Human bone	40	Proximal toe bone		Foot	SK7	Arteit	

Preliminary description	Matco	Matco Bone description	Detalled description	Body part	Individual	Age Class	Date
	40	Thigh bone	Part of condyle	Leg	Unidentified	Adult	
	40	Vertebra unidentified	Proc spinosus of probably Thoracia vertebra	Torso	Unidentified	Adult	3/10/99
	40	Upper arm bane	The state of the s	Arm	SK10	Adult	3/10/89
	40	Upper arm bone	Distal and (trochlea?)	Arm	Unidentified	Adult	3/10/88
	40	Unidentified	8 fragments, one possibly pelvis, one possibly skul???	Human unidentified	Unidentified	Adult	3/10/98
	0.4	Toe bone unidentified	Incomplete plus fragment.	Foot	Unidentified	unidentified	
	40	Toe bane unidentified	Fragments possibly of ankle	Foot	Unidentified	unidentified	
	0	Unidentified	Fingments of ribs?? palvis??	Human unidentified	Unidentified	unidentified	
	40	Unidentified	7 tragments	Long bone	Unidentified	unidentified	
	40	Unidentified	Fragments of talus (?) or distal end of femur (?)	Human unidentified	Unidentified	unidentified	
	40	Navicular bone		Foot	SK10	Adull	
	40	Miedial cunsiform bone		Foot	SK10	Adult	
	40	Splint bone	2 fragments of fibula.	1.69	SK10	Adult	
	40	Triquetrum bone		Hand	SK10	Adult	3/10/99
	40	Proximal finger bone 2		Hand	SK11	Adult	3/10/99
	40	Milddle finger bone 2		Hand	SK11	Adult	3/10/89
	40	Distal finger bone 3		Hand	SK11	Adult	3/10/89
	40	Vertebra unidentified		Tarso	Unidentified	Unidentified	6/10/99
	40	Vertebra unidentified	Lumbar vertebra. Only arcus vertebrae	Torso	SK10	Adult	
	40	Venetra unidentified	Lots of small vertebra fragments	Torso	SK10	Adult	
	4.0	Vertebra unidentified	Probably lumbur vertebra	Torso	SK10	Adult	
	40	Variabra unidentified	Probably lumbar vertebra	Toran	SK10	Adult	
	40	Collar bone	Clavicle fragment??	Torsp	SK10	Adult	
	40	Hand bone unidentified	Carpal and metacarpal fragments.	Hand	Unidentified	Adult	
	4.0	Metacarpal bone 1	Proximal and missing	Hand	SK11	Adult	
	4.0	Metacarpal bone 3	Both ends missing	Hand	SKIII	Adult	
	40	Metacarpal bone 5	Both ends missing/damaged	Hand	SKIII	Adult	
	40	Metacarpai bone 2	Both ends missing/damaged	Hand	8K11	Achill	

40 Metacarpal bone 4 40 Hamatum bone 40 Trapezoldeum bone 40 Trapezalm bone 40 Ulna 40 Unidextified 40 Unidextified 40 Unidextified 40 Cheek bone 40 Cheek bone 40 Cheek bone 40 Deciduous lower first molar 40 Deciduous lower first molar 40 Deciduous lower first molar 40 Deciduous lower and	3 fragments, L metacarpal 47 Hand Only slightly damaged Hand Only slightly damaged Hand Distal end of ulns, 2 fragments Arm Distal end of ulns, 2 fragments Arm Distal end of (L) radius? Hum Two fragments, one with Head foramen Infraorbitate Cervical (?) fragment Head Flus part of maxilia Head	Hand Hand Hand Hand Human unidentified Arm Forso Head Head Head Head	SK11 SK11 SK11 Unidentified Unidentified SK7	Adult Adult Adult Adult Adult Adult	
40 Hamatum bone 40 Trapezoldeum bone 40 Trapezum bone 40 Una 40 Underxtiled 40 Underxtiled 40 Cheek bone 40 Cheek bone 40 Cheek bone 40 Deciduous lower first molar 40 Deciduous lower canine	ragments with	Hand Hand Hand Hand Arm Arm Force Head Head Head Head Head	SK11 SK11 SK11 Unidentified Unidentified SK7	Adult Adult Adult Adult Adult	
40 Trapezoldeum bone 40 Trapezum bone 40 Uhaa 40 Uhaa 40 Unidentified 40 Upper jaw 40 Cheek bone 40 Deciduous lower first molar	ragments	Hand Hand Hand Arm Human unidentified Head Torso Head Head Dentition	SK11 SK11 Unidentified Unidentified SK7	Adult Adult Adult Adult Adult	
40 Triquetrum bone 40 Trapezkum bone 40 Ulna 40 Unidentified 40 Upper jaw 40 Cheek bone 40 Cheek bone 40 Cheek bone 40 Cheek bone 40 Deciduous upper first molar 40 Deciduous lower second molar 40 Permanent lower first molar 40 Deciduous lower cantine	ragments s.7	Hand Arm Human unidentified Head Torso Head Head Dentition	SK11 Unidentified Unidentified SK7	Adult Adult Adult Adult	
40 Uhas 40 Uhas 40 Uhas 40 Uhas 40 Upper jaw 40 Vertebra unidentified 40 Cheek bone 40 Cheek bone 40 Cheek bone 40 Deciduous upper first molar 40 Deciduous lower second molar 40 Permanent lower first molar 40 Deciduous lower second	ragments s? with	Arm Human unidentified Head Torso Head Head Dentition	SK11 Unidentified Unidentified SK7	Adult Adult Adult	
40 Uhra 40 Unidentified 40 Upper jaw 40 Vertebra unidentified 40 Cheek bone 40 Cheek bone 40 Cheek bone 40 Deciduous lower second 40 Deciduous lower second 70 Permanent lower first motar 70 Deciduous lower first motar 70 Deciduous lower cantine	ragments with	Arm Human unidentified Head Torso Head Head Dentition	Unidentified Unidentified SK7	Adult	
40 Unidentified 40 Vertebra unidentified 40 Cheek bone 40 Cheek bone 40 Cheek bone 40 Deciduous upper first molar 40 Deciduous lower second molar 40 Permanent lower first molar 40 Deciduous lower first molar	€ €	Human unidentified Head Head Head Dentition	Unidentified SK7	Adult	
40 Vertebra unidentified 40 Cheek bone 40 Cheek bone 40 Cheek bone 40 Deciduous upper first molar 40 Deciduous lower second molar 40 Permanent lower first molar 40 Deciduous lower first molar	the site	Head Forso Head Head Dentition	SK7		
40 Vertebra unidentified 40 Cheek bone 40 Cheek bone 40 Deciduous upper first molar 40 Deciduous lower second molar 40 Permanent lower first molar 40 Deciduous lower first molar 40 Deciduous lower cantine		Forso Head Head Dentition		Adult	
40 Cheek bone 40 Cheek bone 40 Deciduous upper first molar 40 Deciduous lower first molar 40 Permanent lower first molar 40 Deciduous lower first molar 40 Deciduous lower canine		Head Head Dentition	SK7	Adult	
40 Deciduous upper first molar 40 Deciduous lower second molar 40 Permanent lower first molar 40 Deciduous lower first molar 40 Deciduous lower canine		Head	SK7	Adult	
40 Deciduous upper first molar 40 Deciduous lower second molar 40 Permanent lower first molar 40 Deciduous lower first molar 40 Deciduous lower canine		Dentition	SK7	Adolt	
40 Deciduous lower second molar 40 Permanent lower first molar 40 Deciduous lower first molar 40 Deciduous lower canine			SK12	Juvanile	25/2/2001
40 Deciduous lower first molar 40 Deciduous lower first molar 40 Deciduous lower canine		Dentition	SK12	Juvende	25/2/2001
40 Deciduous lower first molar 40 Deciduous lower first molar 40 Deciduous lower cartine					
40	Grawn nat fully developed	Dentition	SK12	Juvenile	25/2/2001
40		Dentition	3K12	Juvenile	25/2/2001
40		Dantition	SK12	Juvenile	25/2/2001
921 Tooth, Deciduous tower first 40 Deciduous lower first motar motar, 1/841		Osntilion	SK12	Juvenile	25/2/2001
922 Tooth, Deciduous fower 40 Deciduous lower second second molar, (#75)		Dentition	SK12	Juvanila	25/2/2001
per 40 Permanant upper first molar	Not fully developed	Dentition	SK12	Juvenile	25/2/2001
92.4 Tooth, Deciduous upper 40 Deciduous upper second second molar, [#55] molar		Dentition	SK12	Juvenile	25/2/2001
per 40		Dentifion	SK12	Juvanile	25/2/2001
928 Tooth, Deciduous upper 40 Deciduous upper lateral lateral indisor, 18521		Dantillon	5K12	Juvenile	25/2/2001
per 40		Dentaion	SK12	Jonesoffe	25/2/2001

Wreck Reg. No.		Preliminary description	Matco	Matco Bone description	Detailed description	Body part	Individual	Age Class	Date
BELS	928	928 Tooth, Deciduous upper central incisor (#61)	40	Deciduatus upper central		Dantition	5K12	Juvenile	25/2/2001
Ball S	929	929 Tooth Deciduous upper lateral incisor, 18621	40	Deciduous upper lateral incisor		Dentition	SK12	Juvenile	25/2/2001
BILS	930	930 Tooth Deciduous upper canine. [#63]	40	Deciduaus upper canine		Dentition	SK12	Juvenile	25/2/2001
STIB	931	931 Tooth, Deciduous upper linst	40	Deciduate upper first malar		Dentition	SK12	Suvenile	25/2/2001
BILS	932	932 Tooth, Deciduous upper second molar, (# 651	40	Decidurus upper second moter		Dentition	SK12	Juvenile	25/2/2001
BILS	933	933 Tooth.	40	Unidentified	Possibly fragment of roof	Dentition	SK12	Unidentifled	25/2/2001
BILS	950	950 Human bone	40	Unidentified		Human unidentified			2/4/2001
BILS	952	952 Human bone	40	Unidentified	Bone fragment	Human unidentified			3/4/2001
BRES	961	961 Human bone	40	Unidentified					4/4/2001
BILS	962	962 Human bone	40	Rib fragment		Torso			4/4/2007
BILS	963	963 Human bone	4.0	Rib tragment		Torso			4/4/2001
BILS	964	964 Human bone	4.0	Rib fregment		Torso			4/4/2001
BILS	965	965 Human bone	0.9	Rib fragment		Torso			4/4/2001
BILS	987	987 Bone fragment found on surface	40	Unidentified	Bone fragment				4/4/2001
BILS	1053	1053 Toodh, Deciduous upper right lateral incline. Baby tooth no. 5/2 FDI	* 0	Deciduous upper right lateral incisor, First dentifion.	Tooth, baby	Dentition	Unidentified	Вару	22/5/2001

D. Bones associated with various individuals from the mass grave (SK5, SK6, SK7, SK8, SK9, SK10, SK11 and SK12)

Pret	Pretiminary description	Matco	Matco Bone description	Detailed description	Body part	Individual	Age Class	Date
g.	34 Petrosal (Temporal) bone	40	Temporal bone	Pars petrosa sightly damaged	Head	SKS	Adult	30/9/99
Petr	52 Petrosal (Temporal) bone	40	Temporal bone	Pars petrosa slightly damaged, pars squamosa broken off	Head	200	Adult	3/10/99
90	63 ForamenMagnum ?Vertebra	40	Occipital bone	Antenor rim of foramen magnum.	Head	SKS	Adult	6/101/9
Ę	8.8 Infra orbital rim/cheek	40	Cheek bone		Head	SKS	Adult	2/10/99
在名言書名	9.6 Rt Maxila, fragment. Poss- abscessat the central incisor. Shiny occlusal surface possibly from drinding.	0	Upper Jaw	Right side of maxilla plus os zygomaticum attached; URC + URP1 present, URM1 antemorrem loss.	Head	SKS	Adult	30/6/08
To	108 Tooth, incisor	40	Permanent upper lateral incisor	Very worn (left?)	Dentition	SKS	Adult	2/10/99
100	122 Tooth	40	Permanent upper lateral incisor		Dentition	SKS	Adult	3/10/99
Ī	172 Human bone	40	Upper jaw	Left part of the nose (maxilla)	Head	SKS	Adult	1/10/99
Z	174 Nasal bone	40	Nasai bone		Head	SK5	Adult	1/10/99
至	248 Human bone	40	Vault region unidentified		Head	SKS	Adult	1/10/99
F	373 Tooth Rm2	40	Permanent upper third molar		Dentition	SKS	Adult	3/10/88
Ť	792 Human bone	40	Ear ossicle hammer	Either left or right petrosal SKS	Head	SKS	Adult	3/10/99
Ī	793 Human bone	40	Ear ossible arwit	Either left or right petrosail SKS	Head	SK5	Adult	3/10/99

	66/	66/	66/	66/	66/	66/	66/	66/	66/	66/
Date	3/10/99	30/9/99	1/10/99	3/10/99	30/9/99	30/9/99	1/10/99	3/10/99	3/10/99	30/9/99
Age Class	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult
Individual	SK6	SK6	SK6	SK6	SK6	SK6	SK6	SK6	SK6	SKE
Body part	Head	Dentifion	Heard	Dentition	Dentition	Dentition	Dentition	Dentition	Head	Head
Detailed description			2 frags		Very worn	Very small but def permanent. Dentition		Def. permanent: peg lateral		
Matoo Bone description	Temporal bone Processus mastoideus	Permanent upper second premolar	Occipital bone	er first molar	Permanent upper central	Permanent upper lateral inclsor	Permanent upper second molar	Permanent upper lateral incisor	Cheek bone	Cranium
Matoo	40	40	40	40	40	40	40	40	40	40
Preliminary description	1.5 Mastoid process.	33 Tooth RP 2, Adult	4 1 Skull fragment	50 Tooth, Upper molar, adult	155 Tooth, incisor, adult ?	156 Tooth, incisor, juvenile ?	163 Tooth, molar, adult	211 Tooth, deciduous	788 Human bone	789 Human bone
	1.5	33	4 1	20	155	156	163	211	788	789
Wreck Reg.	BILS	BILS	3ILS	BILS	SIIS	SILS	BILS	SIES	BILS	Bus

No.	Reg. Preliminary description No.	Matco	Matco Bone description	Detailed description	Body part	III DANDUI	Age Ciass	n n
	23 Hand/toot bone	0 *	Middle linger bane unidentified	Right? medial phalanx 5? arthritis in proximal joint? bone is curved sideways	Hand	SK7	Adult	30/8/88
	25 Human bone (2 frags)	40	Nasal bone	2 fragments, one looks like nasal bone?	Head	SK7	Adult	30/9/99
	30 Human bone	40	Lunar bone		Hand	SK7	Adult	3/10/88
	47 Atias + other frags (2 pieces)	40	Vertebra C1, atlas		Torso	SK7	Adult	3/10/99
	48 Vertebra, adult	40	Vertebra C5	Cervical vertebra, corpus missing	Torso	SK7	Adult	3/10/99
	59 Humerus	40	Upper arm bone	Proximal and missing, fracture	Arm	SKZ	Adult	5/10/89
	60 Thumb bone 1	40	Metacarpal bone 1		Hand	SK7	Aduli	5/10/99
	61 Hand (metacarpal) bone 2	4.0	Metacarpal bone 2	Distal and is missing	Hand	SK7	Adult	5/10/39
	62 Hand (phalanx) bone 3.	40	Proximal finger bone 3	Proximal and nvissing	Hand	SKT	Adult	5/10/99
1	64 Axis	07	Variabra C2, axis	Especially corpus vertebrae damaged.	Torso	SK7	Adult	5/10/99
	56 Hand/loot bone	40	Pisitorm bone	Slightly damaged	Hand	SK7	Adull	6/10/99
100	143 Left shoulder (6 trags)	40	Shoulder blade	6 fragments	Torso	SK7	Adult	5/10/99
100	144 Shoulder blade fragment	40	Shoulder blade	Acromion	Torso	SK7	Aduli	5/10/99
10.74	178 Carpal	40	Triquetrum bone		Hand	SK7	Adull	2/10/99
DT-	179 Finger/Toe bone	40	Proximal toe bone unidentified		Foot	SK7	Adult	7/10/99
100	243 Peivrs frags x 2	40	Pelvic bone	2 curved tragments: pelvis?	유	SK7	Adolt	29/9/99
100	267 Femur	0 4 0	Thigh bone	Both ends missing, dense trabecular bone ponsistent with age in early twenties, appears to have 2 foramina nutricium, but one may be traume.	Leg	CHS.	Adult	96/01/1
2.7	269 Pelvis	40	Pelvic bone	fleum fragment	HD	SK7	Adult	1/10/99
22	270 Proximal epiphyses, lemur	40	Thigh bone	Proximal and of femur (left)	De-7	SK7	Adult	17/10/99
1041	271 Femur, distal end See proximal end. May be half- fused epiphyses.	40	Thigh bone	Distal end of femur (left?)	pel.	SKA	Adult	1710/89
12	272 Patella, left	01	Know Dane		Ra-	CHO	Adult	1/10/00

Wreck Reg.	Preliminary description	marco	Matco Bone description	Detailed description	ned your	Individual	Age Class	5
28.	284 Pelvis, sciatic notch, probably male	40	Pelvic bone	Sciatic notch	#9	SK7	Adult	2/10/99
314	314 Foot bone, adult	4.0	Metatarsal bone 1		Foot	SK7	Adult	3/10/99
315	Toe bone, adult	40	Metatarsal bone 5		Foot	SK7	Adult	3/10/99
328	329 Sacrum (2 pieces)	40	Pelvic bone	2 fragments of lijum/tacles auricularis.	Нр	SK7	Adult	5/10/99
413	413 Tarsai bone H	40	Milddle cuneiform bone		Foot	SK7	Adult	2/10/98
415	415 Foot bone A	40	lateral cuneitorm bone	Only slightly damaged	Foot	SK7	Adult	7/10/99
416	416 Foot bone B	40	Navicular bone	Only slightly damaged	Fool	SK7	Adult	27/10/99
417	417 Foot fragment C	40	Heel bone	Tuber calcanel.	Foot	SK7	Adult	7/10/99
4.18	418 Foot bone	0.9	Metatarsal bone 1	Both ends missing, plus small tragment	Foot	SK7	Adult	2/10/99
452	452 Human bone	40	Milddle cunelform bone		Foot	SK7	Adult	9/10/99
453	453 Human bone	40	lateral cuneilorm bone	C	Foot	SK7	Adult	65/01/6
454	454 Homan bone	40	Medial cuneiform bone		Foot	SK7	Adult	9/10/99
455	455 Human bone	40	Navicular bone		Foot	SK7	Adult	8/10/88
456	456 Human bone	40	Heal bone		Foot	SK7	Adult	8/10/88
457	457 Human bone	04	Ankle bone		Foot	SK7	Adult	86/01/6
459	459 Fibula, SK77	40	Splint bone	Distal end missing	(se)	SK7	Adult	9/10/99
460	460 Tibla, SK77	0	Shin bone	in 5 large tragments and some very small, pathology on the back of the tibia? - inflammation of periost? or bac oreservation?	5en	SK7	Adult	86/01/6
46	461 Pelvis	40	Pelvic bone	Acetabulum fragment (hip ioint)	Hp	SK7	Adult	9/10/99
462	462 Femur frag	40	pubic bone	Pubic symphysis missing.	Ho	SK7	Aduli	66/01/6
463	463 Patella, Rt.	0 *	knee bone		Leg	SK7	Adult	9/10/99
46	464 Fibula, Rt	40	Spilot bone	Polus tragment: distal and? proximal and missing	reg	SK7	Adult	9/10/99
465	465 Tibia, Fit	04	Shin bone	Proximal end separate fragment, plus other prox. fragment, prox. epiphysial tine vacuely visible.	0en	SK7	Adult	9/10/6
466	466 Sacrum/coccyx.	40	Sacrum	Crista sacrafis mediana (dorsal Hip part) only, plus coccyx and	Hp	SK7	Adult	9/10/99

Wreck	No.	Preliminary description	Matco	Matco Bone description	Detailed description	ned boo	individual	Age Cass	
	468 Rb	Q	40	Rib unidentified		Torso	SK7	Adult	9/10/6
	469	469 Rt. femur. For DNA analysis	40	Thigh bone	Proximal part missing, very dense black soil & roots inside the bone with white chalky material.	Di -	SK7	Adult	9/10/6
	471 8	471 Scapula, Lt	40	Shoulder blade		Torso	SK7	Adult	9/10/99
	472 Una	Sha	40	One		Arm	SK7	Adult	9/10/99
	4738	473 Radius	40	Padus	Proximal and distal ends missing	Arm	SK7	Adult	9/10/99
	474	474 Phalanges (2)	40	Proximal linger bone 2	Prob right prox phalanx 3, prox Hand end damaged, arthritis??	Hand	SK7	Adult	9/10/99
	475 F	475 Rt humerus fragment (2 pieces)	40	Upper arm bana	2 tragments	Arm	SK7	Adult	86/01/6
	476 6	476 Phalanges (2)	40	Milddle linger bone 3	Medial phalanx	Hand	SK7	Adult	9/10/99
BILS	477	477 Skuil SK7	04	Cranium	Plus cheekbones (BILS 907/908) and 3 small fragments (and many tiny tragments) removed during cleaning	Нева	SK7	Adult	9/10/99
	478 P	Phalanges (2) under skull SK7	40	Distal finger bone 1	*Dstal end thumb	Hand	SK7	Adult	9/10/6
	4791	479 Vertebra 1	40	Vertebra C3	Corpus missing	Torso	SK7	Adult	9/10/99
	480	480 Vertebra 2	9	Venebra C4	Corpus missing	Torso	SK7	Adult	9/10/69
	481	481 Vertebra 3	40	Vertebra C6	Corpus missing	Torso	SK7	Adult	9/10/99
	4821	452 Vertebra 4 (2 pieces); small frag of (abric 2	04	Vertebra C7	in 2 tragments, corpus missing Torso	Torso	SK7	Adult	9/10/69
	483	483 Vertebra 5 (2 pieces)	40	Vertebra T1	Corpus missing, + unid fragment*	Torso	SK7	Adull	8/10/88
	484 8	484 Mandible SK7, 2 x loose teeth + 10 in stu	0 4	Lower Jaw	all teeth present (2 incisors in BILS 485)	Head	SK7	Adult	9/10/99
	485	48.5 Upper teeth in maxilla (5 teeth); 2 x frags of maxilla; 12 x loose teeth	40	Upper jaw	includes all upper teeth except Head LUM3, plus 2 lower incisors	Head	SK7	Adult	9710/99
	488 F	300	40	Rib unidentified	Both ends missing rib 9??	Torso	SK7	Adult	10/10/99
	489 Rib	q.	40	Rib unidentified	Plus fragment unidentified, rib	Torso	SK7	Adult	10/10/99
	490 Rb	35	40	Rib unidentified	3 fragments rib 1072	Torso	SK7	Actual	10/110/00

2	0	none description		proof bear	announce of	No company	
		Shoulder blade	Incomplete - 7 fragments	Torso	SK7	Adult	10/10/99
	40	unidentified	42 small tragments	Torso	SK7	Adult	10/10/99
	40	Rib unidentified	Both ends missing; rib 3??	Torso	SK7	Adult	10/10/99
	40	Rib unidentified	2	Torso	SK7	Adult	10/10/99
	40	Vertebra L5		Torso	SK7	Adult	10/10/99
	40	Venebra L4	- fragment	Torso	SK7	Adult	10/10/99
	40	Verlebra L3		Forso	SK7	Adult	10/10/99
	40	Vertebra L2	abrae missing.	Torso	SK7	Adult	10/10/88
2	40	Vertebra L1		Torso	SK7	Adult	10/10/99
4	40	Vertebra T12	s vertebrae, proc ghtfy bending	Torso	SK7	Adult	10/10/109
0		Upper arm bone	Proximal and missing, plus two tragments: fracture	Arm	SK7	Adult	10/10/99
40		Vertebra T10	Corpus vertebrae missing, + 3 frags	Torso	SK7	Adull	10/10/99
40		Vertebra 19	of corpus vertebras ng, slightly bending proc. sus, plus 2 fragments	Torso	SK7	Adult	10/10/98
4.0		Vertebra T8	Corpus verebrae missing, bending groc, spinosus	Torso	SK7	Adult	10/10/88
et.	0 4	Verlebra T7	Corpus vertebrae missing, slightly bending proc. spinosus	Torso	SK7	Adult	10/10/88
76	0 4	Vertebra T6	Only arous vertebrae, bending proc. spinosus	Torso	SK7	Adult	10/10/99
	4.0	Vertebra T5	tebrae	Torso	SK7	Adolt	10/10/99
-	40	Vertebra T4	Only arous vertebrae, plus 2 fragments	Torso	SK7	Adult	10/10/99
NE:	7 700	+ 47 Tex Veriebra T3		Torso	SK7	Adult	10/10/109
Ŧ	07	Vertebra To	3 franments	Toren	SKI	11000	10110/00

Wreck	No.	Preliminary description	Matoo	Bone description	Detailed description	Body part	Individual	Age Class	Date
BILS	513	Claviole SK7	40	Collar bone	Sternal and missing	Torso	SK7	Adult	10/10/99
BILS	513	513 First Rib SK7	40	Hib 1	Both ends damaged	Torso	125	Adult	10/10/99
BILS	516	516 Bone fragments from sieved soil from skull SK7 Area	40	Unidentified	Lots of small tragments from skull area incl rib frags and oroc. styloideus (BILS 723)	Human unidentified	SK7	Adult	10/10/99
Siles	524	524 Sieved soil from skull and shouder area SK7	0	Unidentified		Human unidentitied	2947	Adult	10/10/99
BILS	527	627/Rb SK7	0 1	Rib unidentified		Torso	SK7	Adult	10/10/99
BILS	528	528 Rtb SK7	9	Rib unidentified		Torso	SK7	Adult	10/10/99
BILS	528	529 Rib SK7	40	Rib unidentified	Large tragment	Torso	SK7	Adult	10/10/99
BILS	530	530 RIb SK7	40	Hib unidentified	4 fragments	Torso	SK7	Adult	10/10/98
BILS	531	531 Rib SK7	40	Rib understried	3 fragments	Torso	SK7	Adult	10/10/99
BILS	532	532 Rb SK7	40	Rib unidentified	4 fragments	Torso	SK7	Adult	10/10/99
BILS	533	533 Clavide + first no ?	4.0	Collar bone	Lateral end missing.	Torso	SK7	Adult	10/10/99
BILS	534	53.4 Fingers (4)	40	Distal finger bone unidentified.		Hand	SK7	Adult	10/10/99
BILS	555	555 Sleved soil feet area: 2 x toe bones	0	Unidentified	Lots of small fragments	Foot	SK7	Unidentified	11/10/99
BILS	727	721 Human bone	40	Ear ossicle	Hammer + anvit	Head	SK7	Adult	
BILS	722	722 Human bone	40	Ear ossicte	Hammer + anvil	Head	SK7	Adult	
BILS	723	723 Human bone	40	base region unidentified	Styloid process skull SK7 (lits) Head	Head	SK7	Adult	
BILS	749	749 Bone fragment, SK 7	40	Unidentified	Rib area	Human unidentified	SK7	Unidentified	12/10/99
BILS	766	766 Human bone	40	Permanent upper third molar		Dentition	SK7	Adult	5/10/99
BILS	790	790 Human bone	40	Upper jaw	Right side of nose.	Head	SK7	Adult	
BILS	818	815 Human bone	40	Vertebra unidentified	Processus spinosus, thoracic?	Torso	SK7	Adolt	86/01/9
BILS	816	Human bone	40	Rb 1		Torso	SK7	Adult	
BILS	817	817 Human bone	40	Shoulder blade	Fragment of proc. Coracoideus Torso	Tarso	SK7	Adult	
m	818	Human bane	40	Rib unidentified	Medial end, rib 2?	Torso	SK7	Adult	L
BILS	818	819 Human bone	0	unidentitied	3 left ribs in many fragments, also trag of right rib?	Tarso	SK7	Adutt	
BILS	820	820 Human Done	0 #	Metadarpal bone 3	Both ends damaged/missing	Hand	SK7	Adult	9/10/88

Date								86/01/8	9/10/99	66/01/6	9/10/99	9/10/99	9/10/99	9/10/99					
Age Class D	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult 9	Adult 9	Adult	Adult	Adult 9	Adult	Adult	Adult	Adolf	Adult	Adult
Individual	SK7	5K7	SK7	SK7	SK7	SK7	SK7	SK7	SK7	SK7	SK7	SK7	SK7	SK7	SK7	SK7	SK7	SK7	SK7
Body part	Hand	Hand	Hand	Hand	Hand	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Head	Torso	Head	Head
Detailed description		Proximal and damaged,						Lateral side + tuber calcanel missing		Dorsal side missing	Pathological? distal end missing, proximal end damaged	Pathological? Distal end missing, proximal end damaged	Pathological? Distal end missing, prox end damaged	Pathological? Distal end missing, proximal end damaged		Two fragments, one with foramen infraorbitals	Cervical (?) fragment	6	Plus part of maxilla
Matco Bone description	Proximal finger bone 4		Middle finger bone 4	Milddle finger bone 2	Proximal finger bone 1	Distal toe bone unidentified	Distal toe bone unidentified	Heel bone	Ankle bone	9	Wetatarsal bone 2	Metatarsal bone 3	Metatarsal bone 4	Metatarsal bone 5	Proximal toe bone unidentified	Upper Jaw	Vertebra unidentified	Cheek bone	Cheek bone
Matco	40	40	40	40	40	40	40	40		40	40	40	*0	4.0	40	40	40	40	40
Preliminary description	821 Human bone	822 Human bone	823 Human bone	824 Human bone	825 Human bone	828 Human bone	829 Human bone	830 Human bone	831 Human bone	832 Human bone	833 Human bone	834 Human bone	835 Human bone	836 Human bone	869 Human bone	905 Human bone	906 Human bone	907 Human bone	908 Human bone
Reg.	821	822	823	824	825	828	829	830	831	832	833	834	835	836	869	305	906	907	908
Wreck	BILS	BILS	BILS	BILS	BILS	BILS	BICS	BILS	BILS	BILS	SIIS	BILS	SIIS	SILS	SIES	BILS	BILS	BILS	BILS

ø

Wreck	Reg.	Preliminary description	Matco	Bone description	Detailed description	Body part	Individual	Age Class	Date
BILS	515	515 Skull SK8	40	cranium	Very fragile	Head	SKB	Subadult	10/10/89
Sign	525	6 Humerus SK8	40	Upper arm bone	Proximal end missing, distal end damaged & no epiphysis, some (vegue) green staining	Arm	SK8	Subadutt	10/10/99
器S	536	536 Rib SK8	40	Rib 2		Torso	SK8	Subadult	10/10/99
BILS	537	537 Rib SK8	40	Rib 3		Torso	SK8	Subaduft	10/10/99
BILS	538	53.8 Rib SK8	40	Rib 4		Torso	SK8	Subadult	10/10/89
BILS	533	539 Rib SK8	40	Rib 5		Torso	SK8	Subsduit	10/10/99
BILS	540	540 Rib SK8	40	Rib 6		Torso	SK8	Subaduit	10/10/99
BILS	54	5.4.1 Rib SK8	40	Rib 7	in 3 fragments fitting together Torso	Torso	SK8	Subadult	10/10/99
BILS	542	542 Rib SK8	97	Rio 8	In 9 tragments.	Tarso	SK8	Subadult	10/10/99
BILS	543	3 Rib SK8	40	Rio 9	Rib 97 5 fragments	Torso	SK8	Subadult	10/10/99
BILS	544	Vertebra SK8	40	Vertebra C6		Torso	SK8	Subadult	10/10/99
BILS	545	Vertebra SK8	40	Vertebra C5		Head	SK8	Subaduft	10/10/99
BILS	546	Ciavicie	40	Collar bone	Both ends missing	Torso	SK8	Subadult	10/10/99
BILS	550	Vertebral bones	40	Vertebra unidentified	27 tragments	Torso	SK8	Subaduit	10/10/99
81.5	15 15	552 Nack verlebra SK5	9	Vertebra C1, alias	Two tragments, fitting together, also 3 other cerv vertebrae in this find	Torso	SKB	Subadult	10/10/99
BIS	80	583 Phalange SK8	40	Proximal finger bone unidentified	No proximal epiphysis, green stain on paimair surface, left?	Hand	SK8	Subadult	12/10/99
BILS	284	584 Phalange SK67	0 8	Proximal Inger bone unidentitled	Both proximal and distal ends damaged, proximal end no epiphysis, left?	Hand	SK8	Subadult	12/10/89
BillS	90 80	585 Radius SK8	40	Ulna	Distal end missing, prox imal end no epiphysis. Bad preservation.	Arm	SKB	Subadult	12/10/99
BILS	586	Una SK8	40	Badius	Both ends missing, green stain Arm lowards distal end	Arm	SKB	Subadult	12/10/99
BELS	58	587 Phalanges (2) + Button	40	Metacarpal bone 1	Proximal and missing	Hand	SK8	Subadult	12/10/99
BILS	60	591 Sieved soil from skuil area SKB + arm and rib cage	4	Rib unidentified	8 small fragments, probably (Ib/vertebrae	Torso	SK8	Subadult	11/10/99
BILS	667	667 Humanus SK 8	40	Upper arm bone	Both ends missing	Arm	SK8	Subadult	11/10/99

Wreck	Reg. No.	Preliminary description	Matco	Bone description	Detailed description	Body part	Individual	Age Class	Date
S. S	3 0 8 8	SSO Lower jaw	0	Lower jaw	Right ramus & condyle broken off due to bad preservation. this part is present but does not fit, teeth in situ: L molars (incl unerupted M3). L premolars, both canines, all incisors, LRP1. LR molars are present.	Неад	SKB	Subadult	
SILS	684T	684 Tooth. Permanent lower first molar	40	Permanent lower first molar		Dentition	SK8	Subadult	
BILS	F 689	689 Tooth, Permanent lower second molar	40	Permanent lower second molar		Dentition	SK8	Subadult	
BILS	1969	696 Tooth, Permanent lower third molar	40	Permanent lower third molar		Dentition	SKB	Subadult	
BILS	T 699	697 Tooth, Permanent upper central incisor	40	Permanent upper central incisor		Dentition	SK8	Subadult	
SIES	698 1	698 Tooth, Permanent upper lateral Incisor	40	Permanent upper lateral incisor		Dentition	SKB	Subadult	
SIES	F 669	699 Tooth, Permanent upper canine	40	Permanent upper canine		Dentition	SK8	Subadut	
BILS	7007	700 Tooth. Permanent upper first premolar	40	Permanent upper first premolar		Dentition	SK8	Subaduit	
SIICS	7017	701 Tooth, Permanent upper central incisor	40	Permanent upper central incisor		Dentition	SKB	Subadult	
SIIS	7027	702 Tooth, Permanent upper	40	Permanent upper lateral		Dentition	SKB	Subadult	
SILS	703 T	703 Tooth. Permanent upper canine	40	Permanent upper canine		Dentition	SK8	Subadult	
BILS	7047	704 Tooth Permanent upper second premotar	40	Permanent upper second premoler		Dentition	SK8	Subadult	
BILS	7057	705 Tooth. Permanent upper second premotar	40	Permanent upper second premolar		Dentition	SKB	Subadult	
BILS	706T	706 Tooth. Permanent upper first molar	40	Permanent upper first molar	8	Dentition	SK8	Subadult	
SIES	707	707 Tooth, Permanent upper second molar	40	Permanent upper second molar	Four fully developed roots	Dentition	SKB	Subadult	
S. N.S.	7.897	708 Tooth, Permanent upper Uhird molar	40	Permanent upper third motar	Unerupted	Dentition	зкв	Subadult	

	Preliminary description	Malco	Bone description	Detailed description	Body part	individu	Age Class	Date
F 9	709 Tooth. Deciduous upper canine	40	Deciduous upper canine	Retained milk tooth besides permanent canine	Dentition	SKB	Juvenile	
2	710 Vertebra.	40	Vertebra C1, atlas	Part with articulation for dens of axis	Torso	SKB	Subadult	
2	724 Human bone	40	Cheek bone	With 2 loose fragments	Head	SKe	Subadult	
-	725 Human bone	40	Cheek bone	Arcus zygomaticus	Head	SKB	Subadult	
	727 Human bone	40	Permanent lower second premolar	Plus small fragment mandible	Dentition	SKS	Subadult	
	(1) directly underneath northern end of uina & radius.	32 Non-	32 Non-1(Phalanges (2)	Plus button	Hand	SKB	Subadult	12/10/99
729	Tooth, Permanent upper third molar	40	Permanent upper third molar	Unerupted M3, crown only	Dentition	SX8	Subadult	
	794 Human bone	40	Vertebra C2, axis	in 3 fragments fitting together Torso	Tarso	SK8	Subadult	
	795 Human bone	40	Vertebra C3	Meinly arous vertebrae.	Torso	SK8	Subadult	
	796 Human bone	40	Vertebra C4	Mainly arcus vertebra	Torso	SK8	Subadult	
	797 Human bone	40	Vertebra C4		Torso	SK8	Subadult	
	798 Human bone	40	Lower Jaw		Head	SK8	Subadult	
	799 Human bone	40	Vertebra C6		Torso	SK8	Subadult	10/10/99
	800 Human bone	40	Vertebra C5		Torso	SKB	Subadult	10/10/99
	801 Human bone	40	Base region unidentified	2 fragments	Head	SK8	Subadult	10/10/99
	802 Human bone	40	Distal finger bone 1	Fully grown	Hand	SK8	Adult	10/10/99
_	803 Human bone	40	Unidentified	4 fragments, possibly arm	Long bone	SK8	unidentified	10/10/99
_	804 Human bone	40	Rio 1	Both ends missing. Left rib?	Torso	SK8	Subaduil	10/10/99
805	Human bone	40	Rib unidentified	7 fragments of at least two right? ribs.	Torso	SK8	Subaduit	10/10/99
	806 Human bone	0	Shoulder blade	3 tragments of mainly acromion	Torso	SK8	Subadull	10/10/99
	807 Human bone	40	Collar bone	3 fragments of both ends	Torso	SKB	Subadult	10/10/99
	Human bone	40	Vertebra unidentified	17 small vertebra fragments	Torso	SK8	Subadult	10/10/99
	809 Human bone	40	Rib unidentified	19 rib fragments plus collection of small rib tragments	Torso	SX8	Subadult	10/10/99
	527 Human bone	9	Proximal Truger Dune 1	Left thurb? proximal acidhysis mission.	Band	93	Subsecut	12/10/20

Wreck	Reg.	Preliminary description	Matco	Bone description	Detailed description	Body part	Individual	Age Class	Date
(0)	837	Human bone	40	Radius proximal epiphysis		Arm	SK8	Subadult	Ĺ

	00	587	66/	66/	66/	86/	58/	667	-56/	66/	56/	19.0	56/	56/	66/	66/	66/	66/	56/	66/	000
Date	30/8/88	30/9/88	2710789	2/10	2/10/99	3/10/88	3/10/88	3/10/99	3/10/99	5/10/99	8/10/18	6/10/19	6/10/99	1/10/99	5/10/99	5/10/99	2/10/89	30/8/88	1/10/99	1/10/99	5710700
Age Class	Juvenile	Suverille	Juvanile	Javenie	Javenile	Juvanile	Juvenile	Juvenile	Juvenile	Juvanile	Juvenile	Juvenile	Juvenile	Juvenile	Juvanile	Juvenile	Juvenile	Juvenite	Juvanila	Juvenile	hisabili
(malyidusi	SKg	SK9	SK9	SK9	SK9	SK9	SKG	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SK9	5K9	SK9	SK9	SKG	SKe	SK9	SKB	SK8	SKB	SKe	SKB	CKG
Body part	Torsa	Torso	Torso	Torso	5e7	Torso	Torso	Head	Torso	Dentition	Dentition	Dentition	Torso	Невф	Torso	Foot	Torso	Arm	Torso	Head	Minnes
Detailed description	Promisic arcus vertibriae	Both ends damaged	slightly damaged, cervical vertebra		Probably right, both ands missing		Probably thoracic	Only slightly damaged; LM1 halfway eruption, alveole LM2 present but no tooth, no deciduous teeth present for the sockets, permanent teeth in development.			Roats not fully developed, + other trace from slave		Juvenile sacrum?? could be part of corpus vertebra, plus other fragment	Other fragment is also skull but fsub?leduft	Cervical arous vertebra, only startify damaged	Both ends missing	damaged			Ramus condyle missing; LLm1, LLm2, LLM1 unerupted	A laborate laborate (sales.
Bone description	Veriebra unidentified.	Rib unidentified	Vertebra unidentified. Arcus vertebrae	Rib unidentified	Splint bone	Rib unidentified	Vertebra unidentified, Arcus vertebra	Upper Jaw	Rib unidentified	Deciduous fower canine	Permanent upper first motar Roots not fully developed, +	Deciduous upper second molar	Sacrum	Temporal bone Pars squamosa	Vertebra unidentified Arcas	Metatarsal bone 1	Collar bone	Radius	R/b unidentified	Lower law	The state of the state of
Matco	40	0.0	4.0	40	0 70	40	40	0.40	40	4.0	40	40	0 7	40	40	40	40	40	4.0	4.0	C
Preliminary description	29 Thoracic juvenile veriebra	95 Rib, juvenile	116 Cervical vertebra, juvenila	120 Rib, juvenite	121 Fibula, juvenile	Rib, juvenile	130 Vertebra, juvenile	133 Maxilla (cheekbone) juvenile	135 Rib, Juvenile	136 Tooth (deciduous?)	142 Tooth + 23 tragments of bone	146 Tooth	147 Human bones (2 frags)	164 Skull fragments (2), one has cut edoes	188 Vertebra unidentified	221 Finger/Toe bane	253 Clavice, Rt. juvenile	Radius, juvenite	262 Rib, juvenile	258 Mandible, juvenile:= 5 years old, Titke X-Ray	On Changeborne Dr Innopolio
Reg. No.	64	98	116	120	123	124	130	133	135	136	142	146	147	164	188	223	253	261	262	258	000
Wreck	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	SIR	BILS	BILS	BILS	BILS	BILS	BES	Bris	BILS	SILS	OHO

Reg.	Preliminary description	Matco	Bone description	Detailed description	Body part	Individual	Age Class	Date
29	291 Rtb, juvenile	4.0	Rib unidentified		Torso	SK9	Juverile	2/10/99
29	292 Rib. juvenile	40	Rib unidentified		Torso	SK9	Juvenile	2/10/99
29	293 Thoracio vertebra, juvenne	40	Vertebra unidentified. Arcus vertebra	Thoracio	Torso	SK9	Juvanila	2/10/99
29	295 Vertebra, juvanile	40	Vertebra unidentified Arcus vertebras	Cumbar?	Torso	SK9	Juvenile	3/10/89
28	296 Vertebra	4 0	Vertebra unidentified Arcus		Torso	SK9	Juvenile	3/10/99
C4 C8	297 Vertebra	40	Vertebras unidentified Arcus	Lumbar?	Torso	SKG	Juvenila	3/10/89
29	298 Tooth, Canina 7 No rock.	40	Permanent upper canine	Only crown, root not yet developed	Dentition	SK9	Juvenile	3/10/99
30	2 Rib, fuvenile	0 %	Rib unidentified		Torso	SKB	Juvenile	3710799
30	303l Rib	4.0	Rib unidentified	Both ands damaged	Torso	SKS	Juvenile	3710799
30	304 Humanus, Juvanila (39, 82)	4.0	Upper arm bone	Both ends missing	Arm	SKG	Juvenile	3/10/99
30	305 Rib Irag, juvenile (40, 94,5)	4.0	Rith unidentified		Torso	SK9	Juvenile	3/10/89
30	306 Rib, juvenile	40	Rib unidentified		Torso	SK9	Juvenile	3/10/99
30	308 Vertebra, juvenile	40	Variebra unidentified Arcus vertebrae	Probably /umbar vertebra	Torso	SK9	Juvenile	3/10/99
30	309 Rib. Juvenile	40	Rib unidentified		Torso	SK9	Juvenile	3/1/0/99
3.1	310 Rib, juvenile	40	Rib unidentified	11th or 12th rib. both ends. Midnify damaged	Torso	SK9	Juvenile	3/10/99
6	311 Vertebra, juvenile	40	Vertebra unidentified. Arcus vertebra	Thoracić verlebra	Torso	87/5	Juvenile	3/10/99
60	317 Skull, juvenile	0	Cranium	Very fragmentary but partly reconstructed, major bones are present	Head	SK9	Juvenile	3/10/99
3.1	319 Deciduous tooth	40	Deciduous lower carrine		Dentition	SK9	Juvanife	3710799
32	320 Fingeritos bone	40	Milddle linger bone unidentified	Especially distal end damaged	Hand	6X8	Juvenile	5/10/99
12	321 Human bone (2 frags)	0 *	Proximal finger bone unidentified	Both ends missing	Hand	SK8	Juvenila	5/10/99
32	326 Rib, juvenile	40	Rib unidentified		Torso	SK9	Juvenile	5/10/99
32	327 Una, juvanile	40	Gras	Proximal and draged, distal end missing	Arm	SK8	Juvanite	88701/9

61

ca

	Preiminary description	D Wellow	Sone description	Detailed description	gody pan	BOMOGRA	955	1
	10 Carpal bone, pistorm	40	Pisitorm bone		Hand	SK10	Aguit	30/9/99
	1 6: Human bone, Scapula 7	40	Shoulder blade	Acromion fragment	Torso	SK10	Agutt	3/10/99
	24 Handfloot bone ?	40	Cina	Distal pert of ulna.	Arm	SK10	Aguit	30/9/99
C W/T	31 Clayole, adult left	40	Collar bone	lateral end damaged	Torso	SK10	Adult	30/9/99
100	36 Human bone (1 frag); long bone ?	40	Upper arm bone	Small long bone fragment	Long bane	SK10	Adult	1/10/99
2.00	131 Long bone shaft	4.0	Upper arm bone		Arm	SK10	Adult	3/10/99
0	170 Humerus, distal fragment	40	Upper arm bone	Distal condyle (trochlean	Arm	SK10	Acuit	1/10/99
- 10	206 Carpal bone, semi-lunar	40	Lunar bone		Hand	SK10	Adult	1/10/99
40	215 Metacarpal	40	Metacarpal bone 4		Hand	SK10	Adult	3/10/99
140	216 Sacrum, part	40	Sacrum	Fragment of crista mediana	70	SK10	Adult	3/10/99
120	217 Sacrum?	40	Sacrum	Proximal dorsal part	HO	SK10	Adult	3/10/99
03	218 Distal part of humerus , acult (3 frags)	40	Upper arm bone	Distat end of humerus (trochea), plus 2 small fracments	Arm	SK10	Adult	3/10/99
100	219 Finger bone (carpai) A	40	Navicular bone	Slightly damaged	Hand	SK10	Adult	3/10/99
1.07	237 Human bone	40	Unidentified	Sacrum/vertebra fragments?	Human unidentified	SK10	Adult	66/01/9
124	242 Hand bone	40	Metacarpal bone 1		Hand	SK10	Adult	98/01/4
0	390 Carpal bone	4.0	Proximal linger bone 3		Hand	SK10	Adult	8/10/89
391	Carpal bone	40	Metacamal bone 4	Proximal end missing.	Hand	SK10	Adult	8/10/99
CH	392 Carpal bone	40	Metacarpal bone 3		Hand	SK10	Adult	6710/39
100	393 Carral bone	40	Proximal linger bone 2		Hand	SK10	Adull	8/10/99
13	394 Carpal bone	40	Metacamal bone 2	Both ends missing.	Hand	SK10	Aduli	8/10/88
147	395 Carpal bone	40	Proximal finger bone 4		Hand	SK10	Adull	8/10/89
10	396 Carral bone	40	Distal linger bone 1		Hand	SK10	Aduli	6/10/39
P.	397 Carrel bone	40	Middle finger bone 4		Hand	SK10	Adult	8/10/89
(0)	398 Carpal bone	40	Distal linger bone 3		Hand	SK10	Adult	8/10/89
O	399 Carpa bone	40	Middle linger bone 3		Hand	SK10	Adull	8/10/99
0	400 Camal bone	40	Distal finger bone 5		Hand	SK10	Adult	8/10/83
1.5	401 Carpal bone	40	Middle finger bone 2		Hand	SK10	Adult	8/10/88
CV	402 Camal bone	40	Middle linger bone 5		Hand	SK10	Adult	8/10/99
.03	403 Carpal bone	40	Metacarpal bone 5	Proximal and missing.	Hand	SKto	Adult	8/10/88
574	404 Carral bone	40	Proximal finger bone 5		Hand	SK10	Adult	10
M	A DE Change Propos	40	District Lineary Borne &		Harrie .	SKIN	Actual	8/11/00

	6	6	6	6	6	0	6	6	0	6	o	66	00	66	66	66.	66	66	66	66	66	66,	66	00	66	66
Date	7/10/99	7/10/99	7/10/99	7/10/99	7/10/99	7/10/99	7/10/99	3/10/99	3/10/99	3/10/99	9/10/10	10/10/99	11/10/99	11/10/99	11/10/99	11/10/99	11/10/99	11/10/99	11/10/99	11/10/99	11/10/99	11/10/88	96/01/11	11/10/99	11/10/99	11/10/99
Age Class	Adult	Adult	Adult	Adult	Adult	Adutt	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult
Individual	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	5K10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10
Body part	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Hand	Hand	Hand	reg	Hand	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	ge.	Ced	Foot	Foot
Detailed description								Only slightly damaged			in 5 large distorted fragments, in mostly broken by pressure of roots, also very straight horizontal fracture line hallway shaff.	nmaged	Fused with middle toe bone								2 fragments		2 large fragments and some smaller frags. Both ends missing. Bony outgrowth in muscle attachment / foramen nutrillum anse.	ling, proximal fresh fracture	1	Two fragments*
Bone description	Proximal toe bone 1	Distal toe bone 1	Proximal toe bone 2	Metatarsal bone 4	Metatarsal bone 2	Metatarsal bone 3	lateral cuneiform bone	Capitatum bone	Distal finger bone 1	Metacarpal bone 3	Thigh bone	Metacarpal bone 2	dentified	Proximal toe bone 4	Proximal toe bone 5	Metatarsal bone 5	Metatarsal bone 1	Miedial cunelform bone	Cuboid bone	Middle cunelform bone		Ankle bone	Shin bone	Splint bone	Distal toe bone 1	Proximal toe bone 1
Matco	40	40	40	40	40	0 4	40	40	40	40	0	40	40	40	40	40	40	40	40	40	40	40	40	0 4	40	40
Reg. Preliminary description No.	406 Tarsal bone A	407 Tarsal bone B	408 Tarsal bone C	409 Tarsal bone D	410 Tarsal bone E	411 Tarsal bone F	412 Tarsal bone G	419 Finger bone B	420 Finger bones (2)	422 Finger bane	470 Thia ?	487 Phatanges (2), Hand A.	645 Phalange, Li foot SK 10	646 Phalange, Li foot, SK 10	647 Phatange, Lt foot, SK 10	648 Metatarsal. Lt foot. SK 10	649 Metatarsal, L1 foot, SK 10	651 Tarsal, Lt foot, SK 10	652 Tarsal Li foot, SK 10	653 Tarsal Lt foot, SK 10	654 Tarsal, Lt foot, SK 10	655 Tarsal, Lr toor, SK 10 (Mixed with 161)	656 Tible, SK 10 (For DNA)	857 Fibuta, SK 10 (For DNA?)	658 Phatange, SK 10	659 Phatange, SK 10
Wreck Reg	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	BILS	SIIS	<u>ड</u> ्	BILS	BLS	BILS

	Preliminary description	Matco	Matco Bone description	Detailed description	Body part	Individual	Age Class	Date
	661 Metatarsal. SK 6	40	Metatarsal bone 5	Both ends missing	Foot	SK10	Adult	11/10/99
_	662 Metatarsal, SK 6	40	Metatarsal bone 1	Both ends missing	Foot	SK10	Adult	11/10/99
-	663 Fibula, SK 10	40	Shin bone	6 fragments including malecius medialis	Leg	SK10	Adult	11/10/99
1	664 Metacarpal, Hand A	40	Metacarpal bone 1		Hand	SK10	Adult	11/10/99
1 100	668 Phalange SK 10	40	Proximal toe bone	Both ends missing + small	Foot	SK10	Adult	11//10/99
1.79%	669 Phalange SK 10	40	Proximal toe bone	Both ends missing	Foot	SK10	Adult	11/10/99
100	670 Metatarsal, SK 10	40	Metatansal bone 2	both ends missing	Foot	SK10	Adult	11/10/99
	671 Metatarsal, SK 10	40	Metatarsal bone 3	Both ends missing	Foot	SK10	Adult	11/10/99
100	672 Metatarsal, SK 10	40	Metatarsal bone 4	Both ends missing	Foot	SK10	Adult	11/10/99
730	NW Seved lump nb cage SK	40	Rib unidentified	Lots of (very) small fragments	Torso	SK10	Adult	12/10/99
731		40	Rib unidentified	Small and bigger fragments	Torso	SK10	Adult	12/10/99
CV	732 Rib (on top of lump 238 (SK 10)	40	Rib unidentified	Some sizable and many very small fragments.	Torso	SK10	Adult	12/10/99
735	Rib (on top of lump 238 (SK 10)	40	Rib unidentified	sble fragment	Torso	SK10	Adult	12/10/99
100	736 Rib (on top of lump 238 (SK	40	Rib unidentified		Torso	SK10	Adult	12/10/99
0	740 Rib(s) SK 10	40	Rib unidentified	Several small fragments	Torso	SK10	Adolt	12/10/99
741	RID SK 10	40	Rib unidentified	11th or 12th rib?	Torso	SKTO	Adult	12/10/99
CV	742 Lumbar vertebrae (2) (SK 10 ?)	40	Vertebra unidentified	Lumber vertebra	Torso	SK10	Adult	12/10/99
W.	746 Long bone fragment SK 107	40	Thigh bone	Probably femur, lett?	Leg	SK10	Adult	12/10/99
100	748 Bone fragment. End of ulna 9 SK 10?	40	Knee bone	Two small fragments of medial side	Cen	SK10	Adult	12/10/99
753	Ribs Sk 10	40	Rib unidentified	3 fragments of 1 or 2 ribs	Torso	SK10	Adult	12/10/99
1	657 Human bone	40	Os sesamoideus		Foot	SK10	Adult	
63	858 Human bone	40	Os sesamoideus		Foot	SK10	Adult	
Or .	859 Human bone	04	Tarsal bone unidentified	Lots of fragments, possibly of talus, calcaneus or os cuneiform laterale.	Foot	SK10	Adult	1
15	Seutrimen sone	0.7	Protection to the parties of		1000	0133	Adult	271.0700

Date	7710799						3/10/99				3/10/99						12/10/99
Age Class	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult
Individual	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SK10	SKTO	SK107
Body part	Foot	Foot	Hand	Hand	Hano	Hand	Arm	Foot	Foot	Leg	Hand	Torso	Torso	Torso	Torso	Torso	Long bone
Detailed description		Probably left. Especially distal and missing.				Prox phalanx 27				2 fragments of fibula.		Lumbar vertebra, Only arcus vertebrae	Lots of small vertebra fragments	Probably lumbar vertebra	Probably lumber vertebra	Ciavicle fragment??	Probably part of left femur SK10
Matco Bone description	Middle toe bons	Middle toe bone unidentified	Trapezium bone	Trapezoideum bone	Proximal tinger bone 1	Proximal finger bone unidentified	Upper arm bone	Navicular bone	Miedial cunsiform bone	Splint bone	Triquetrum bone	Vertebra unidentified	Vertebra unidentified	Vertebra unidentified	Vertebra unidentified	Collar bone	Unidentified
Matco	40	4.0	40	40	40	40	0 9	40	90	40	40	40	40	40	40	40	40
Preliminary description	861 Human bone	862 Human bone	863 Human bone	864 Human bone	865 Human bone	866 Human bone	872 Human bone	880 Human bone	Human bons	882 Human bone	883 Human bone	888 Human bone	889 Human bone	890 Human bone	Human bone	892 Human bone	747 Long bone tragment SK 107
	861	862	863	864	8652	866	872	880	881 1	882	883	888	0.00	690	8911	892	747
Wreck Reg.	BILS	BILS	BILS	BILS	BILS	BILS	84.5	88.5	BALS	BILS	BILS	BILS	BILS	BILS	BES	SILS	BILS

Date	86/01/9	7/10/99	8/10/88	3/10/89	10/10/99	86/01/21	12/10/99	12/10/99	12/10/09	12/10/99	12/10/99	12/10/99	12/10/99	12/10/89	12/10/88	12/10/89	12/10/99	12/10/99	12/10/88	12/10/99	12/10/99	12/10/99	12/10/99
Age Cires		Adull	Adult		Adult	Adult	Adult	Adult	Adult	Adull	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Adult	Advit	Adult	Adull	Adull	Adult
Individual	SKII	SK11	SK11	SK11	SKII	SK11	SK11	SKII	SK11	8611	SK11	SK11	SK11	SKII	SK11	SKT1	SKIT	SKIT	SK11	SKII	SK11	SKII	SK11
Body part	Foot	Fool	Torso	Hand	ge.	Hip	Torso	Torso	Torso	Torso	Torso	Torso	Torso	Torso	Torso	Torso	Torso	Torso	Torso	Torse	Torso	Torso	Torso
Detailed description	Distal end damaged				Distal and damaged, proximal end missing + 8 fragments			Only arcus vertebrae		Only arous vertebrae			cus	ints, thoracic venebra	9 tragments of 3 thoracic vertebras.	Only arcus vertebrae, thoracic	Corpus fragment only, from thorace region	rea tragment, ae of 2 ae, one with pinosus	thoracic	Fragment (+ smaller trags) of arous vertebrae, thoracic	Arcus veriebrae only, with smaller tragments.	Arcus vertebrae fragment.	soments, cervical?
Matco Bone description	Metatarsal bone 3	Proximal toe bone 1	Rib unidentified	Proximal finger bone 1	Thigh bone	Sacrum	Vertebra 1.5	Vertibra L4	Vertebra L3	Vertebra 1.2	Vertebra L1	Vortebre T12	Vertebra T11	Venebra unidentified	Vertebra unidentified	Variabra unidentified	Vertebra unidentified	Venebra unidentified	Vertebra unidentified	Vertebra unidentified	Vertebra unidentified	Vertebra unidentified	Vertebra unidomitted
Matco	40	40	40	40	40	40	40	40	40	4.0	4.0	40	40	40	40	40	40	40	40	40	94	40	40
Reg. Preliminary description No.	339 Toe bone (larsal bone).	358 Foot bones (3)	378 Human bone fragment.	421 Finger bones (4)	526 Femur	556 Human bones A SK11	557 Human bones B SK11	55 & Human bones C SK11	559 Human bones D SK11	560 Human bones E SK11	561 Human bones F SK11	562 Human bones G SK11	563 Human bones H SK11	564 Human bones I SK11	565 Human bones J SK11	566 Human bones K SK11	567 Human bones L SK11	568 Human bones M SK11	569 Human bones N SK11	570 Human bones O SK11	571 Human bones P SK11	572 Human bones Q SK11	573 Human bones B SK11
Wreck Reg	BILS	BILS	BILS	BES	BITS	BILS	BILS	BILS	Bitas	BILS	BILS	BILS	BILS	SILS	BILS	BES	BILS	SIIIS	SILS	BILS	Silis	BILS	BILS

Wreck	No.	Prefiminary description	Matoo	Matco Bone description	Detailed description	Body part	Individual	Age Ciass	
BILS	574	574 Human bones S SK11	40	Vertebra unidentified	5 fragments, cervical?	Torso	SK11	Adult	12/10/99
BILS	575	575 Human bones T SK11	40	Vertebra unidentified	2 fragments of arcus vertebrae, cervical	Torso	SK11	Adult	12/10/99
BILS	576	576 Human bones U SK11	4.0	Verlebra unidentified	2 tragments of arcus vertebrae, cervical	Torso	SK11	Adult	12/10/89
BILS	577	577 Human bones V SK11	40	Vertebra unidentified	Left side of arcus vertebrae, cervical	Torso	SKII	Adult	12/10/89
BILS	578	Rib SK11	40	Rib 3	Probably 3rd rib	Torso	SK11	Adult	12/10/99
BILS	579	RID SK11	40	RIb 2		Torso	SK11	Adutt	12/10/99
BILS	580	580 RID SK11	40	Rib 1	Two fragments	Torso	SK11	Adult	12/10/99
BILS	581	581 Claylole SK11	40	Collar bone	Both ands missing	Torso	SK11	Adult	12/10/89
BILS	582	582 Scapula SK11	40	Shoulder blade	large, 3 small fragments*	Torso	SK11	Adult	12/10/199
BILS	589	589 Hand bones SK11?	40	Distal finger bone 1		Hand	SK11	Adult	12/10/89
BILLS	594	594 Phalange	40	Proximal toe bone 1		Foot	SK11	Adult	11/10/89
BILS	595	595 Metatarsal Lt foot SK 11	4.0	Metatersal bone 1	3 fragments	Foot	SKII	Adult	11/10/99
BILS	596	596 Netatarsal Lt Foot SK 11	40	Metatarsal bone 2	Both ends missing	Foot	SK11	Adult	11/10/99
BILS	597	597 Metatarsal Lt Foot SK 11	40	Metatarsal bone 3	Both ends missing/damaged	Foot	SK11	Adult	11/10/99
BILS	598	598 Metatarsal Lt Foot SK 11	40	Metatarsal bone 4	Both ends missing/damaged	Foot	SK11	Adult	11/10/99
BILS	599	599 Metatarsal Lt Foot SK 11	40	Metatarsal bone 5	Distal and damaged	Foot	SK11	Adult	11/10/99
BILS	600	600 Tarsal A Lt Foot SK 11	40	Ankle bone unidentified	Os cunertorme mediale according to position	Foot	SK11	Adult	11/10/99
BILS	601	601 Tarsal B Lt Foot SK 11	40	Ankle bone unidentified	Unidentifiable fragments, os cuneiforme intermedium according to position	Foot	SK11	Adult	11/10/99
BILS	602	602 Tarsal C Li Foot SK 11	0	Ankle bone unidentified	Unidentifiable fragment, os cunelforme laterale according to position	Foot	SK11	Adult	11/10/99
BILS	603	603 Tarsal D Lt Foot SK 11	4.0	Navicular bone		Foot	SK11	Adult	11/10/99
BILS	604	604 Tarsal E Lt Foot SK 11	40	Ankie bons	Small fragments of talus	Foot	SK11	Adult	11/10/99
BILS	605	605 Tarsal F Lt Foot (Talus) SK 11	4.0	Ankle bone unidentified	3 fragments; os cuboideum according to position	Foot	SK11	Adult	11/10/88
BILS	909	Tarsal G LI Foot (Calcanus) SK 11	40	Heel Done	3 fragments of calcaneus	Foot	SK11	Adult	11/10/99
BILS	607	Tola, Lt Leg SK 11	40	Shin bone	Both ends missing, + fragments	Leg Os-	SK11	Adult	11/10/99
BILS	608	608 Fibula, Li leg SK 11	40	Splint bone	Proximal and missing, distal	Leg	SK11	Adult	11/10/99

Wreck	Reg.	Preliminary description	Matco	Matco Bone description	Detailed description	Body part	Individual	Age Class	Date
BILS	609	Phalange. Rt foot SK 11	40	Proximal toe bone unidentified	Proximal end damaged	Foot	SK11	Adult	11/10/99
S	610	Phalange, Rt foot SK 11	40	Proximal toe bone unidentified		Foot	SK11	Adult	11/10/89
BES	611	Phalange, At foot SK, 11	40	Proximal toe bone unidentified	Proximal and damaged	Foot	SK11	Adult	11/10/99
SIR	612	Metatarsal, Ri look SK 11	40	Metatarsal bone 3	3 fragments	Foot	SKII	Adult	11/10/99
SILS	613	613 Metatarsal, Rt took SK 11	40	Metatarsal bone 2		Foot	SK11	Adult	11/10/99
BILS	6.9	618 Tarsal A. Rr foot SK 11	40	Navicular bone		Foot	SK11	Adult	11/10/99
STE	517	617 Tarsal B. Rt foot SK 11	4.0	Tarsal bone unidentified		Foot	SK11	Adult	98/01/11
THE S	19	618 Tarsal C. Rt foot SK 11	4.0	Tarsal bone unidentified	Tatus?	Foot	SK11	Adult	11/10/89
5	619	619 Tarsal D. Rt tool SK 11	40	Tarsal bone unidentified	Os cuboideum?	Foot	SK11	Adutt	11/10/99
S.I.S.	620	620 Tarsal E Ri foot SK 11	40	Tarsal bone unidentified	Calcaneum?	Foot	SK11	Adult	11/10/89
FILS	522	822 Patella, Li leg. SK11	40	Knee bone		1,60	SK11	Adult	11/10/99
STE	624	Fig. 5K-11	0 4	RIb 2	in three fragments litting at together; green staining at stemal end	Torso	SK11	Adult	11/10/99
BILS	625	625 Htb. SK 11	0	Rib 3	In two fragments fitting	Torso	SKII	Adult	11/10/99
2	626	626 RIS SK 11	4.0	Rib 4	Both ends damaged, bright oreen stain	Torso	SK11	Adult	11/10/99
BILS	627	627 RIb. SK 11	40	Rb 6	In 4 targe and many small tradments, oreen staining.	Torso	SKTI	Adult	11/10/69
BILS	628	628 Fib. SK 11	40	Rib 6	Im 4 large fragments litting together	Toriso	SKTT	Adult	11/10/99
BILS	629	629 Rtb. 5K 11	40	Hb7	Both ends missing	Torto	SK11	Adult	11/10/99
SMS	630	630 Hb. 5K 11	40	Rio 8	Especially datal and damaged	Torso	SK11	Adult	11710/99
Bus	631	631 Rtb. 5K 11	40	HD 9	Bath ends missing	Torso	SK11	Adult	11/10/99
811.5	632	632 Rib. SK 11	40	Rib unidentified	Distal end	Torso	SK11	Adult	11/10/99
SHS	633	633 Rib. SK 11	40	Rib unidentified	Distal end	Torso	SK11	Adult	11/10/99
811.5	634	634 Rib. SK 11	40	Rib unidentified		Torso	SK11	Adult	11/10/99
SILS	635	Rib. SK 11	40	Rib unidentified	2 tragments fitting together	Torso	SK11	Adult	11/10/99
SIE.	636	Humerus, SK 11	40	Upper arm bone	Proximal and massing, distall and damsoed	Arm	SK11	Adult	11/10/99
BICS	637	637 Ulha SK 11	40	Ulva	Distal end missing green stains halfway and towards distal end; pathological lump on shaft?	Arm	SK11	Adult	11/10/89

Wreck	No.	Preliminary description	Matco	Matco Bone description	Detailed description	Body part	Individual	Age Class	Date
BILS	638	Radius, SK 11	40	Radius	Distal end missing	Arm	SK11	Adult	11/10/99
BILS	639	639 Rib. SK 11 (Underneath last southern Lt. ribs)	40	Rib 10	3 fragments fitting together	Torso	SK11	Adult	11/10/99
BALS	640	640 Rib. SK 11 (Underneath last southern Lt ribs)	40	Rib 11	Both ends missing	Torso	SK11	Adult	11/10/99
BILS	641	641 Rib. SK 11	40	Rib 1	Both ends missing	Torso	SK11	Adult	11/10/99
BILS	642	642 Clavicle, SK 11	40	Collar bone	Lateral end missing, medial and damaged	Torso	SK11	Adult	11/10/88
BILS	643	643 Scapula, SK 11	40	Shoulder blade	Plus small fragments, green staining on distal end.	Torso	SK11	Adult	11/10/99
S S	660	660 Phalange, SK 10	40	Distal finger bone 1	Slightly damaged at proximal end.	Hand	SK11	Adult	11/10/98
BILS	673	673 Tibia SK?	40	Shin bone	Tibia in 4 large and 2 small fragments	Leg	SK11	Adult	11/10/99
BIIIS	675	675 Phalange, Hand B	40	Distal finger bone 4	Longitudinally cracked with sand in the cracks - perimortem?	Hand	SK11	Adult	11/10/99
BILS	676	676 Phalange, Hand B	40	Distal finger bone 5		Hand	SKII	Adult	11/10/99
BILS	677	677 Phalange, Hand B	40	Milddle finger bone 5	The second second	Hand	SKII	Adult	11/10/99
BILS	678	678 Phalange, Hand B	40	Proximal finger bone 5	Proximal and missing.	Hand	SK11	Adult	11/10/88
BILS	679	679 Phalange, Hand B	40	Milddle finger bone 4		Hand	SK11	Adult	11/10/98
BILS	681	681 Phalange, Hand B	40	Proximal finger bone 4	proximal and missing.	Hand	SK11	Adult	11/10/99
BILS	682	682 Phalange, Hand B	40	Middle finger bone 3		Hand	SK11	Adult	11/10/99
BLS	683	683 Phalange, Hand B	40	Proximal linger bone 3	Proximal and missing.	Hand	SK11	Adult	11/10/88
BILS	685	685 Metacarpais, Hand B	40	Metacarpal bone 2	Both ends missing	Hand	SK11	Adult	11/10/88
語さ	688	686 Metacarpais, Hand B	40	Metacarpal bone 1	Proximal end slightly damaged	Hand	SK11	Adult	11/10/89
BILS	587	687 Metacarpals, Hand B	40	Trapezium bone		Hand	SKT1	Adult	11/10/99
BILS	688	688 Carpal, Hand B	40	Navicular bone	Plus small fragment	Hand	SK11	Adult	11/10/99
BILS	691	691 Metacarpal, Hand B	4.0	Metacarpal bone 3	Both ends missing	Hand	SK11	Adult	11/10/89
BALS	692	692 Metacarpal, Hand B	40	Metacarpal bone 4	Both ends missing	Hand	SK11	Adult	11/10/99
BILS	693	693 Metacarpal, Hand B	40	Metacarpal bone 5	Both ends missing	Hand	SK11	Adult	11/10/99
BILS	694	Carpais x 4, Hand B	40	Lunar bone		Hand	SK11	Adult	11/10/99
87	718	718 Clean up vertebral column. SK 11	40	Rib unidentified	Lots of small rib fragments	Torso	SK11	Adult	12/10/99
BILS	744	744 Palvis fragments SK 11	40	Pelvic bone		Ho	SK11	Adult	12/10/89
BILS	745	745 Pelvis fragments SK 11	40	Pelvic bone		HIP	SK11	Adult	12/10/99

Preliminary description	Marco	Mateo Bone description	Detailed description	Body part	Individus	Age Class	Date
	40	Rackus	Distal end	Arm	5K11	Adult	21/2/2001
	90	Proximal finger bone 1		Hand	SK11	Adull	12/10/99
П	40	Proximal finger bone unidentified	Proximal and missing	Hand	5K11	Adult	12/10/99
H	0 4	Proximal finger bone unidentified	Plus small no fragments	Hand	SK11	Adult	12/10/99
	40	Milddle finger bons unidentified		Hand	SKII	Adult	12/10/89
	40	Navicular bone		Hand	SK11	Adult	12/10/99
H	40	Lunar bone		Hand	SK11	Adult	12/10/99
Ħ	40	Vertebra LS		Torso	SK11	Adult	
	40	Rib unidentified		Torso	SK11	Adutt	
	40	Rib unidentified		Torso	SK11	Adult	
	40	Shoulder blade	2 small fragments	Torso	SKII	Adult	
	40	Venstra unidentified	Small fragments	Torso	SK11	Adult	
	40	Triquetrum bane		Hand	SKII	Adult	
	40	Hamatum bone		Hand	5K13	Adult	
	40	Capitatum bone		Hand	SK11	Adult	
	40	Pisiform bone		Hand	SK11.	Adult	
Ħ	40	Distal toe bone 1		Poot	SK11	Adun	5/10/20
	0.4	Proximal toe bone unidentified		Foot	3K11	Adun	2710799
	40	Proximal finger bone 2		Hand	SK11	Adult	3/10/99
	4.0	Milddle finger bone 2		Hand	SK11	Adult	3/10/99
	40	Distal finger bone 3		Hand	SK11	Adult	3/10/99
	40	Metacarpal bone 1	Proximal and missing	Hand	SKII	Adull	
	40	Metacarpal bone 3	Both ends missing	Hand	SK11	Adut	
	40	Metacarpal bone 5	Both ends missing/damaged	Hand	SK11	Adult	
	40	Metacarpal bone 2	Both ends missing/damaged	Hand	SK11	Adutt	
	40	Metacarpal bone 4	3 fragments, L. metacarpal 47	Hand	SK11	Aduk	
	40	Hamsturn bone		Hand	SK11	Adult	
	40	Trapezoideum bone	Only slightly damaged	Hand	SK11	Adult	8
	40	Triquetrum bone	Only slightly damaged	Hand	SK11	Adult	
	40	Trapezium bone	2 fragments	Hand	SK11	Adult	

Age Class Date	Juvenile 25/2/2001	Juvenile 25/2/2001	Juvenile 25/2/2001	Juvenite 25/2/2001	Juvenile 25/2/2001	Juvenile 25/2/2001	Juvenite 25/2/2001	Juvenile 25/2/2001	Juvenile 25/2/2001	Juvenile 25/2/2001	Juvenile 25/2/2001	Juvenile 25/2/2001	Juvenile 25/2/2001	Juvenile 25/2/2001	Juvenile 25/2/2001	Juvenile 25/2/2001	Juvenile 25/2/2001
Individual	SK12	SK12	SK12	SK12	SK12	SK12	SK12	SK12	SK12	SK12	SK12	SK12	SK12	SK12	SK12	SK12	SK12
Body part	Dentition	Dentition	Dentition	Dentition	Dentition	Dentition	Dentition	Dentition	Dentition	Dentillon	Dentition	Dentition	Dentition	Dentition	Dentition	Dentition	Dentition
Detailed description			Srown not fully developed					Not fully developed									
Matco Bone description	Deciduous upper first motar	Deciduous lower second molar	Permanent lower first molar Crown not fully developed	Deciduous lower first molar	Deciduous lower canine	Deciduous lower first molar	Deciduous lower second moler	Permanent upper first motar Not fully developed	Deciduous upper second molar	Deciduous upper canine	Deciduous upper lateral	Deciduous upper central	Deciduous upper central	Deciduous upper lateral	Deciduous upper canine	Deciduous upper first molar	Deciduous upper second
Matco	40	40	40	40	40	40	40	40	4.0	40	40	40	40	40	40	40	40
Preliminary description	914 Tooth, Deciduous upper first molar. [#54]	Tooth.	918/Tooth, Permanent lower first molar, [636]		920 Tooth, Deciduous lower	Tooth, Deciduous lower first molar, 1//841	922 Tooth, Deciduous lower second molar, 19751	923 Tooth. Permanent upper first molar. [426]	924 Tooth, Deciduous upper second molar, (#55)	925 Tooth, Deciduous upper	926 Tooth, Deciduous upper	927 Touth, Deciduous upper central incisor, [#51]	928 Tooth, Deciduous upper central incisor, (#611	929 Toolh, Deciduous upper		Tooth. I	932 Tooth, Deciduous upper
Reg. No.	914	917	918	616	920	921	922	923	924	925	926	927	928	929	930	93.1	932
Wreck	BILS	BILS	SIIS	BILS	BES	BILS	BILS	BILS	BILS	SH.S	BILS	STIB	BILS	BILS	SILS	Siles	BILS

E. Previously allocated Zuytdorp coins

	ANCODS	CMM	CANN	OWN	OWN	OWN	OWN	Cu OMW	cu CM	Ca OAW	Aus Own	ð	Cu Sery OWN													
	COMMENTS	Salvar 93%	Seret 93%	Silver 93%	Silvar 93%	Silver 93%	Silver 93%	Modelsurg Mint in Zeelland Parallel Axis Crowned Llon w/ sword Ag 58.3 % Cu	iburg Mint in Zeeland Reverse in ned Lion w/ sword Ag 583 %	Middelburg Mint in Zeelland, Parallel Axia Crowned Lion w/ sword Ag, 58:3 %, Cu 41.7%	Medalture Mirriin Zeeland Ray arts Ass.	Crowned Lion w/ swortd Ag 58.3 % Cu														
* Yearte	CAT.	T/o Yr 580	T/o Yr 560	T/o Vr 560				C R Husch ? De Vries 76	C R Husch 7 De Vines 76	C R Husch 7 De Vnes 76	C R Husch 7	De Vries 75	De Vries 75 C.R. Husch 7 De Vries 72	De Vies 75 CR Husch 7 De Vies 72 CR Husch 7 De Vies 72	De Vries 78 C.R. Husch 7 De Vries 72 C.R. Husch 7 De Vries 72 C.R. Husch 7 C.R. Husch 7 De Vries 76	De Vines 78 CR Huech 7 De Vines 72 CR Huech 7 De Vines 72 CR Huech 7 De Vines 72 CR Husch 7 De Vines 76 CR Husch 7	De Vines 75 C.R. Husch 7 De Vines 72 C.R. Husch 7 De Vines 72 C.R. Husch 7 De Vines 76 C.R. Husch 7 De Vines 76 C.R. Husch 7	De Vines 75 C.R. Huech 7 De Vines 72 C.R. Huech 7 De Vines 72 C.R. Husch 7 De Vines 76 C.R. Husch 7	De Vines 75 C R Husch 7 De Vines 72 C R Husch 7 De Vines 72 C R Husch 7 De Vines 72 C R Husch 7 De Vines 76 De Vin	De Vires 78 C R Husch 7 De Vires 72 C R Husch 7 De Vires 72 C R Husch 7 De Vires 76 De Vir	De Vires 78 CR Husch 7 De Vires 72 CR Husch 7 De Vires 72 CR Husch 7 De Vires 72 CR Husch 7 De Vires 76 CR Husch 7 De Vires 70 CR Husch 7 De Vires 7 De V	De Vries 75 C R Husch 7 De Vries 72 C R Husch 7 De Vries 72 C R Husch 7 De Vries 72 C R Husch 7 De Vries 76 De Vri	C R Husch 7 De Vines 72 C R Husch 7 De Vines 72 C R Husch 7 De Vines 72 C R Husch 7 De Vines 76 C R Husch 7 De Vines 70 De Vines 72 De Vines 70 De Vines 72 De Vines 72 De Vines 72 De Vines 70 De Vines 72	C R Husch 7 De Vines 72 C R Husch 7 De Vines 72 C R Husch 7 C R Hu	C R Husch 7 De Vines 72 C R Husch 7 De Vines 72 C R Husch 7 C R Hu	C R Husch 7 De Vines 72 C R Husch 7 De Vines 72 C R Husch 7 C R Hu
Key, CMW » Certendreshift, Ni. » Netherlands. NiRicc. » Natherlands Floyat Cabinet of Ceinst, Obv. » Coverse. Rev. » Reversel Dav. » Cavenport, Det. » Determonter, Yr. » Yrlants P. » Peoc, F. » Pinet, G. » Good, W.G. » Very Finet, VP. » Very Poor, VVP. » Very Poor, Po. » Perranet Azris, RA » Reverse Axis	WT. (9) COND.	26.62 G	25. 53 G	24.38 G	22 98 G	25.15 G	28.7 VG	4. 28	F 821	148 +	4 243		400.5	4002	400.5 P	400.5 F	400.5 P	400.5 P 446.5 F 222.2 F 222.2 F 27.57 P	400.5 P 446.5 F 445.5 F 22.2 F 22.5 S P 22.5 S P	400.5 P 446.6 F 445.5 F 22.5 F 22.5 S P 24.8 S F	400.5 P 446.5 F 27.57 F 22.59 P 24.83 F 28.37 P	400.5 P 446.5 F 445.5 F 22.59 P 22.89 P 22.89 P 22.89 P 22.89 P 22.89 P 22.89 P	446 F 446 F 446 F 22 59 P 24 83 F 24 8	460.5 P 446 F 445.5 F 22.59 P 24.83 F 27.89 VP 25.48 VP 25.48 VP	400.5 P 400.5 P 446.5 F 22.5 S P 22.5 S P 24.8 S P 24.8 S P 27.8 S P	400.5 P 400.5 P 446.5 F 22.5 S P 22.5 S P 24.8 S P 27.8 S P
av « Davenport, Di sverse Asis	DATE	g. 1708	8041 3	c 1708	D 1708	1708	1708	1211	.1141	1311	1211		11/21	1171	1171	(71) (73) (73)	1771 1771 1771 1771	1771 1771 1771 1771 1771	1771 1771 1771 1771 1771 1771 1771 177	1771 1771 1771 1771 1771 1771 1771 177	(711) (711) (711) (711) (711) (81) (81) (81) (81) (81) (81) (81)	1771 1771 1771 1771 1771 1771 6 (630 6 1780 6 1780 8 1830	(771) (771)	1771 1771 1771 1771 1771 1771 1771 177	(771) (771) (771) (771) (4. 1630) (4. 1630) (5. 1630) (6. 1630) (6. 1630) (6. 1630) (6. 1630) (6. 1708) (6. 1708) (6. 1708)	(771) (771) (771) (771) (771) (8. 1630) (8. 1630) (8. 1630) (9. 1708) (9. 17
Very Poor, PA = Partallel Azzi, RA = Beverse Axis	MINT MARK				L Mo	100		Middelburg Tower	Middelburg Tower	Middelburg Tower	Modelburg Tower		Middeburg Tower	Middelburg Tower	Middelburg Tower Middelburg Tower Middelburg Tower	Middelburg Tower Middelburg Tower Middelburg Tower	Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower	Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower	Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower	Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower	Middeburg Tower Middeburg Tower Middeburg Tower	Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower	Middelburg Tower Middelburg Tower Middelburg Tower	Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower	Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower	Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower Middelburg Tower
	AUTHORITY /	Philip V	Philip V	Prints V	Printo V	Philips V	Philip V	Estales General	Estates General	Estable General	Estatus Genteral		Estatus Genaral	Estates General Estates General	Estates General Estates General	Estudos General Estados General Estados General	Estates General Estates General Estates General Estates General	Estates General Estates General Estates General Estates General Estates General	Estates General Estates General Estates General Estates General Estates General	Estates General Estates General Estates General Estates General Estates General Estates General France IV Prate IV Prate IV	Estates General Estates General Estates General Estates General Estates General Pstep IV Prop IV Prop IV Prop IV	Estates General Estates General Estates General Estates General Estates General Findo IV Prop V Prop V Prop V Prop V	Estates General Estates General Estates General Estates General Fisher N Prop IV Prop V Prop V Prop V	Estates General Estates General Estates General Estates General Fiship IV Pring IV Pring IV Pring IV Pring IV Pring IV	Estates General Estates General Estates General Estates General Estates General Philip IV Philip IV Philip IV Philip V Philip V Philip V Philip V Philip V Philip V	Estables General Estables General Estables General Estables General Estables General Philip IV Philip IV Philip V
YOUR WAY * VA	PROVINCE	Mexico					П		Zheland	Zieoland	Zeetand		Seeiand 2		Zerand Zerand Zerand	Zeriand Zeriand Zeriand Zeriand	Zeeland Zeeland Zeeland Zeeland	Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland	Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland	Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Keeland Keeland Keeland Keeland Keeland Keeland Keeland	Zeeland Zeeland Zeeland Zeeland Zeeland Brazant Marco Brazant Marco Brazant	Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Brabant Mascos Brabant Mascos	Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Rezkhit Brakkit Brakkit Brakkit Brakkit Brakkit Grakkit	Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Reabord Brabbord Brabbord Brabbord Brabbord Marco	Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Zeeland Brabant Brabant Brabant Brabant Brabant Maxco Maxco	Zeeland Maxco Reabont
ery Fine; VP = Very P	COUNTRY	1 Spanish America	Spanish Arrenca	Epanish America	Spanish Arrends	Sourish America	1	2	100 United Weitherlands	100 United Newherlands	100 United Netherlands		100 Lintled Netherlands		ALCO TO THE RESIDENCE T		A COLUMN TO THE PARTY OF THE PA	# C	# 100 TO THE RESERVE THE PROPERTY OF THE PARTY OF THE PAR	4000 0 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(4) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	(4) はまるなる おしの一切のはまましたまできますがままします。		- 現代: - 大変のため 数: (2) 10 10 10 10 10 10 10 1	(1) (1) (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	- 現代:
Sport, VF a Vi	# COINS	1	1		11	-		100	100	001	1001		1001	100 (10001	1001	10001	10001	10001	10001	1000 10	1000 10	001 001 001	001 001 001	001 001 001	001 001 001
Good, VG a Very S	COON	Eight Feales	Egnt Reales	Eight Reales	Eight Regies	Feely Danies	Egyt Reales	Two Stainers	Two Sturrens	Two Statogra	Two Stainers		Sic Shivers	Sic Shivers The Suivers	Sic Shivers Two Shivers Six Siphers	Sic Stavers Six Stavers	Sic Stuvers Six Styners Six Styners Six Styners	Sic Shavers The Suivers Six Styleses Six Styleses	Sic Shavers The Suivers Six Styleers Six Styleers Six Styleers Six Styleers Outcahore Outcahore	Sic Stuvens Two Stavens Sic Stuvens	Siz Stuvens The Stuvens Siz St	Sic Stuvens Two Stavens Sic Stuvens Sic St	Six Stavers Six Stavers Six Stavers Six Stavers Six Stavers Ducatore	Six Stavers Six Stavers Six Stavers Six Stavers Six Stavers Ducatore Ducatore Ducatore Ducatore Ducatore Egit Resies Ducatore Egit Resies Ducatore Egit Resies Ducatore Egit Resies	Six Stainers Six Stainers Six Stainers Six Stainers Six Stainers Six Stainers Ducatone Ducatone Ducatone Ducatone Egit Resies Ducatone Ducatone Egit Resies Ducatone Egit Resies Egit Resies Ducatone Egit Resies	Six Stainers Six Stainers Six Stainers Six Stainers Six Stainers Six Stainers Ducations Ducations Ducations Ducations Ducations Ducations Ducations Egit Pleases Ducations Egit Pleases Egit Pleases Egit Pleases Egit Pleases
P a. Poor, F a Pine: G is Good, VG is Very Good, VF is Very Pine; VP is Very Poor, VVP is Very	REG #	5142	5144	6145	15146	5147	6148	101-200	901-100	1503-1700	2301-2400		3301-3400	370:-1400	3701-3400	3701-3400 4387-4400 4583-4600	3701-3400 4301-4400 4501-4600	3701-3400 4301-4400 4501-4600 4901-4880 8103	3701-3400 4301-4400 4501-4600 4901-4850 8103 8103	3701-3400 4301-4400 4501-4600 4501-4660 51004	3701-3400 4301-4400 4501-4504 4501-4554 5103 5110	3701-3400 4301-4400 4501-4600 4501-4660 5110 5110	3701-3400 4301-4400 4501-4600 4501-4500 5103 5110 5117	3701-3400 4301-4400 4501-4600 4901-4560 5100 5110 5117 5121	3701-3400 4301-4400 4501-4400 4901-4560 5103 5115 5117 5121 5133 5134	3701-3400 4301-4400 4501-4400 4901-4560 5103 5104 5115 5115 5117 5133 5134 5136 5136 5136
-	WRE	17	N	H	h	K	17	ti.	la .	ħ.	ħ		Ni.	F F	5 5 E											

-		ANCODS	OWW	OWN	OWN	OWN	OWN	CMW	CNW	Own	OWN		ź	ź	14.	2	# G	Poss Mi.	of the second	Actual Na Co.	2 E		# D		- 0	- 0	- 0	- 0
		COMMENTS	Silver 93%	Silver 637s	3 Flaur de Lis Silver 92%	Shuer 83%	Silver 93%	Silver 93%	Selver 83%	Naviere and De break below their version stages of behalation Shree 58 3550 41 75.	Renesse and Silver St 3% Cu 41,7%	Silvar 93%	Silver 93%	Silvar 92%	Silver 83%	Long Type Sever 93%	Modelling Mint in Zeelland Postlini Aus Ordening Lion w/ sword Ag 28.3 % Cu A 1 7%	Murg Mint in Zeeland Revierse of Lion w/ award Ag 58.3 %	out Met is Zeetand Psyalet And Loss w' sweet Ag 58.3 %.	delivery Mint to Zooland Pevere wheel Lion W swand Ag 58.3 %	Misselburg Mint in Zeeland Parallel And Liberty bat on Spear Ap 58.3	N 54417%			N. Ou 41 77. Modelburg Mert in Zeeland Reverse in Modelburg Mert in Zeeland Reverse in Licin wir Liberty hat on Speier Ag 5 75. St 41,2% Hot Schellingen Parattel Axis Ag 6 24,41,7% Processes post Ag 75. State Schellingen Reverse post Ag 75. Cur 41,7% Cur 41,7%	N. Cu. 41 7%. Modelland Reverse is Modellang Merr in Zeeland Reverse is Licin wir Liberty hat on Speier Ag 5 %. Cu. 41 7%. Prox Schellingen Parathel Axis Ag N. Cu. 41 7%. Sever again. Ag Sever Schellingen Reverse again. Ag Sever 943 7%.	N. Cu. 41 7%. Nidochurg Mert in Zeeland Feversa is Nidochurg Mert in Zeeland Feversa is Licin wir Liberty hat on Spear Ag 5 %. Cu. 41 7%. Nidochurgen Parallel Axis Ag 7%. Cu. 41 7%. Sevel 64 7%. Sevel 63%. Silver 93%.	Notes of The County had on Speak Ag 5 to 64 47 2% the Section of Parallel Axis Ag 5 to 41 7% the Section of The Notes of The Section of The The Section of The Secti
	Yearte	CAT.	Tro Yr 550	Tro. 71 8450		ż	T/0 Y: 550	T/0 Yr 550		Cle Vines # 72	Do Vnes # 72	T/10 Y+ 560	(T/0 YY 580	Tro Yr 560	T/6 Yr S60	T/0 V/ 560	C. R. Husterh. 7 De Vries 76	C St Husen 7 De Villes 75	C.R. Husch 7 De Vites 75	C. M. Hunch 7 De Vrien 75	C.R. Husch ? De Vries 78		C.R.Husch ? De Vines 72	e la	Table 1 Process	72 72 65 76 65 76 65 76 1457	Annual Property of the Control of th	72 72 72 61 75 61 65 75 61 65 75 61 65 76 61 65 76 61 65 76 61 65 76 61 65 76 61 65 76 61 65 76 61 65 76 76 76 76 76 76 76 76 76 76 76 76 76
	Key: CANV = Commonwealth, Ns. = Netherlands: NL-RicG = Netherlands Royal Cabinat of Colon, Cov. = Obverse, Roy = Reverse, Dav. = Davenport, Del. = Detarriorie, Yr = Vritine P = Very Flor, VP = Very Poor, VP = Very Poor, PA = Parallel Ave. RA = Reverse Axis	WT. (9) COND.	4 66 P	12.51 P	11.24 P	8.54 p	0.57 VP	11 27 14	12 B1 VP	1067	436 F	20.63 43	26.66 a5	12 B2 P	14.9 ==	18 19 VP	d.	130 8	145 F	146.0	d 600		40 a a	404.5 P	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	444 5 F	444 P 448 S F 25 7 P 25 7 P	a a a da c
	vense Aus	DATE	c. 1708	E 1708	c. 1708	c 170£		c. 1708	c. 1708	1711	177.1	165273	c 1700	c. 1708	6 1708	c 1708	1441	11211	1711	1711	1141		1711	1711	1711	1711	1711 1711 1711 1980 c. 1630	1711 1711 1711 1060 - 1630
	Key, CAW » Commonweath, Ns. » Netherlands: NL-RCG » Netherlands Royal Cabins, Obv. » Covers. Roy. » Reverse, Dav. » Daven P » Ploor, E » Fine, G » Good, VG » Very Good, VF » Very Flor, VP » Very Poor, VV» – Very Poor, PA » Parratis Avis. RA » Revense Auss	WINT MARK	OM.3						and the second second	Middelburg Castle	Middelburg Castle		old	96			Madelburg Town	Middeliburg Tower	Middelburg Tower	Middliburg Tower	Middelburg Tower	Michigan Toute		Middelbut Tower	Middelburg Tower	Middelburg Tower	- 10-	
	cont. Obv Covern ery Very Poor, P.A.: F	AUTHORITY /	Philip V	PhilipV	Philip V	Princ V	V philip V	Phillip V	Philip V	Estates General	Estates General	Philip IV	Philip V	Frillp V	Philips V	Philip V	Estates General	Estatoa General	Estates General	Estabes General	Estates General	Estates General		Estafas General	Estatos General Estatos General	Estatos General Estatos General Prilip IV	Estation General Estation General Princip IV Princip IV	Estatos General Estatos General Prop IV Prop IV Prop IV
	W Cathingt Of A	PROVINCE	Mexico	Merco	Mexico	Messoo	Maxico	Mexico	Mexico	Zeesand	Zeeland	Master	Messico	Mexico	Marico	Mexico	Zeeland	Zeeland	Zheland	Zeeland	Seeland	Zaeland		punjan2	Zeeland Zeeqand	Zoegand	Zeutand Zeeqand Brabant Brabant	Zeetand Zeetand Brabant
C = Netherlands Roy	ecy Fine, VP = Very R	COUNTRY	Spanish America	Spanish America	Spanieri America	Spanish America	Spanish America	Spanish Amenda	Spanish America	25 United Netherlands	TOO LANKS Netherlands	Spannin America	Spanish America	Spanish America	1 Spanish America	1 Spanish America	United Netherlands	100 United Namerlands	100 United Netherlands	100 United Netherlands	100 Come Netherlands	100 United Netherlands		100 Linked Netherlands	100 Lining Netherlands	United Netherlands United Netherlands United Netherlands	United Netherlands United Netherlands United Netherlands	00 United Netherlands 1 United Netherlands 1 United Netherlands
	linds; NL-RC lood, VF = V	# COINS			-		-		+	20	100	-	-	+	+		1001	100	160	100	100	100		100	100	100	1001	1001
all districts	Good, VS = Very G	CON	Two Regies	Pitter Pleasing	Four Reales	Four Regiter	Four Reales	Four Reales	Four Reales	Six Stuvers	Six Stuivers	Eight Reales	Erght Reales	Eight Reater	Elght Fleates	Eight Reales	Two Stuhents	Two Stavens	Two Stulvers	Two Stubers	Sir Surers	Sie Stuwers		Six. Sharette	Six Shireth Six Shireth	Six Sturens Six Sturens Ducatore	Six Stairets Six Stairets Discatone	Six Starvers Six Starvers Operations
discourse the same of the same	CMW = Commons Bor; F = Fine; G =	BEG #	8178	51.80	8180	5191	5199	5200	5202	7640-7664	10637-10730	55.67	5138	6139	3148	6154	+-100	1001-1100	1501-1500	2201-2300	3201-3300	3601-3900		4201-4300	4201-4300	4501-4300	4201-4300 4501-4700 5102 5105	4201-4300 4501-4700 8102 5105
ì	, E	WARE	N	k	h	E	17	K	N	h	77	14	17	12	k	N	ha .	k,	Li,	ħ	ħ.	ħ.		h	t d			

	ANCOODS	2	ź	z	z	74	d	2 2	2	74	ź	2	zi.	N.	ž,	zj.	y.	¥	Z	2	2	N.	15	N.	NLACC NLACC	MLPCC	7K-P00	NE-PCC	MLPOC
	COMMENTS	Silver 93%	Large Ruff Collar Silver 82%	Säver 93%	Long type 3 Fleur de Lis Saver 93%	Square Type Silver 93%	Silver 93%	Silver 93% Lond Tone Silver 93%	Long Type 3 Fieur de Lis Silver 93%	Silver 93%	Chunky , 3 Fieur de ts. (8 reats) Saver	Silver 83%	Shor 93%	Shver 93%	Silver 93%	Sine 91%	State 93%	Stree 83%	Street B3%	Hot Schellingen Pamilel axis Siver 58.3% Cu 41.7%	Parallel ann Saver 58 3%Cu 41 7%	Dim date Silver 38 3%Cy 41,7%	Diff Date Silver 58 3%Co 41,7%	Reverse anti. Silver SE 3% Cu 41,7%	Parallet axis. Presented to Royal Cabinet of Coins at the Hague in the Netherlands. Silver 56:3%Co. 41,7%.	Parallel and, Presented to Royal Cabiner of Cotes at the Hague in the Netherlands, Stive 55,0% Cu 41,7%	Reverse and Presented to Royal Cobinet of Count at the Hagus in the Netherlands. Since 58 3%, Cu 41 7%	Revelop their Royal Cabinet of Ceits at the Hages in the Netherlands, Silver 58 Jh. Co. 41 Yu.	Partitle and Royal Catenet of Comp as the Hapse in the Netherlands. Singe
	CAT.	Day 4942	Day 4444	P 4				T/a Yr 560	15.4		Tie Yr \$60	T/6 V! 560				- 1	- 3		T/o Yr 560	De Vrins # 76	De Weet # 72	De Was # 72	On Vines # 72	De Vries 4 72	De Vims # 78	De Vries # 76	Da Vras e 75	De Vrites # 72	De Vites # 72
	WT. (g) CONO.	43 19 VP	25.59	25.47 G	223.32 VG	24,76 VG	23 15 WG	17.03 P	24.48 IF	15 33 VP	22.20 P	26.68 G Bent	21 17 10	4,635 p	5.12 p	8.84 VP	8.68 VP	4 95 40	T.32 P	7 (D) 12	4			2	0.00	1 54 10	445 ave	# S55.1	4.245 F
verse Acis	DATE	c 1660	9 1631		e 1708	- 1		2 1708			1708	1662	8021 5	9041 0	e 1708	1708	0 1708	1708	1708	1771	1737	1106	1708	1341	(71)	1711	1121	1121	1211
Very Poor, PA = Panullet Axits, BA = Reverse Axis	MINT WARK			No.				C WO			4									Tower		Tower	Tower	Middelburg Carrie	Middelburg Castle	Micselburg Castrle	Modelburg Capte	Middelburg Castle	Modelburg Cashi
ry Very Poor, PA a P	AUTHORITY /	Estansa General	Philip IV	Primp V	Prulip V	Philip V	Philip V	Philip V	PhilipV	Philip V	PhilipV	Phillip IV	Primp V	Prain V	Philip V	Philip V	Philip.V	Philip V	Philip V	Estatus General	Estates General	Estates General	Estatos General	Estatos General	Estates General	Estude General	Estates Gerneral	Estativa Carbertif	Estales Geheral
oor; VVP = Ve	PROVINCE	Zaetand	Brabant		Mexico		I	Mexico				Mexico	Mexico		Mexico		Mexico	Mendo	Mexico	Zooland		Zeeland		Zeeland	2seland	Zeeland	Zhetand	Zeeland.	Zeeland
P = Poor, F = Fair, G = Good, VG > Very Good, VF = Very Fine, VP = Very Poor, VVP = Very	COUNTRY	Unised Natherbrids	1. Spanish Helbertands	Spanish America	Spanish America	Sparnish America	Spanish America	Spanish America	Sourish Arrenda	Spanish America	Spanish America	Spanish Arrentes	Spanish America	100 United Netherlands	50 United Netherlands	1 United Netherlands	2 United Netharlands	19 United Necharlands	United Netherlands	United Netherlands	United Netherlands	United Netherlands	Doised Netherlands						
ood, VF + V	E COINS		1	-	+	-			-			+	1	+	-	+	-	+	-	100	50	-	ev.	8	4	1	-	1	
Sood, VG = Very G	NICO	Ducatohe (Silver Fider)	Ducatione	Eight Reales	Eight Reales	Eight Reales	Eight Rebles	Eight Realor	Fight Beales	Eight Reales	Eight Reales	Eight Reales	Eight Reales	Two Regies	Two Region	Four Reases	Four Reales	Four Reales	Four Reales	Six Stuivers	Six Sturvers	Two Stulvers	Two Stuiners	Six Stuivers	Two Sturvers	Two Stulvers	Two Stubrers	Two Suivers	Six Stuvers
or, F + Fran, G + C	REG #	5123	5125	5135	5155	5157	3158	5161	5165	5168	5171	\$173	5174	5182	5183	5185	5187	5197	5198	5855-5954	6105-6154	10272	10273-10274	10751-10769	10804	10805	30806	10807	10808
n.	WRE	h	12	12	Ü	12			Ţ	h			k					J.		Ľ.				Z		t,	k	ħ	17

		ANCODS	NL PCC	N.400	NERCE	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	400
		COMMENTS	Parallel axe. Reyal Cabinat of Com at the Hague in the Netherlands. Silver 50.7% Cu 41.7%	oyal Cabinel of Coins at Netherlands, Silver	**	Ensayador - J. Jonefiztaquienda Laon 7 175 Silver 93%		Silver 93%	Silver 93%	Silver 93%	Middelburg Mint in Zeeland Revense asser Crowned Lion will aword (includes did not 244.5-96 incl.) Ap 58.3 %. Cu	Month of Seeing Parallel Axis ved Libra w/ Invoce Ag 68,3 % Cu	and Revente and	Hot Schellinger Revenue axis. Ag 58.2 Ts. Cu 41.7%	Schallingen Parshal Aris Ag 58.2 Cu 41.7%	in Reventability Ag 58.3	ing circle 3 is own Ag 58,3 %	e 3 Ft de lis 77 Silver 83%	Silver 93%	STATE STATE	Sheer 93%	Silver 93**	Suyer 83%	
		CAT.	De Vries # 72	De Vrieu a 72	De Vries # 72	Tab Yr 581	TAS Y? 580	T/o VI \$60	T/o Yr 560	T/o Yr 560	C.R.Husch 7 De Vites 76	C.R.Huach 7 De Vries 75	C.R. Hungh 7	C R Hunch 7 De Vries 76	C.R.Hupch 7 De Vries 75	C.R. Husch 7 De Whes 76	De Vives 76	Yr.560	Golder Hoc 328 1a / Day, 4444	Day, 4444	Day 444A	Day, 4457	Day, 4837	
1		WT. (g) COMD.	(g.	4.605 F	4.715.0	24 18 VS	21 68 VG	28.61 95	22.7 P	16.02 VP	746.0	180 V	181 45	4 122	225.5 F	230 VE	d. 021	25.83 VG	14.44 P HOSE	14 255 G	30.79 VG	PS. 83 VG	26.63 VP	100000
Bloom WA . Describled Solid. Ell . Decorate Auto.	WILLIAM AND	DATE	1721	1711	1711	60(21)	G. 1786	0, 1706	c 1706	c. 1700	1711	1711	11.4	1271	11/20	1711	1741	c. 1780	6, 1630	c. 1630	1635	1662	g. 1580	1000 1000
Name Show 12A - Described Avia 123 - Describe Avia	arginet Asta, the a ric	MINT MARK	Neddelburg Castle	Middelborg Canife	Middelburg Castle	DAG J					Middelburg Tower	Middelburg Tower	Middelburg Tower	Widdelburg Towar	Middelburg Tower	Middelburg Tower	Middelburg Tower	94						
		AUTHORITY /	Estimes General	Estates General	Estabet General	Philip V	Philips	Philip V	PhilipV	Philip V	Estatos General	Estatus General	Estatus Gonaria	Estade General	Estates General	Estatos General	Estativa General	Philip V	N d L	Profig.TV	Philip IV	Charles II	Petstan General	The same of the sa
AND A STATE OF STATE	Mary Way a Va	PROVINCE	Zestand	Zimlang	Zestand	Minnes	Merico		Méraco		44	Zeeland	Zestand	Zepland	Zestand	Zeelland	Zaetand	Mexico	Grabare	Brabant	Brabarit	Franciera	Heart	ļ
Sand Plant VIB - Venty	F = FORT, F = FIRE, O = GOOD, VL = VETY (1000), VF = VETY FEE, VF = VETY FEE, VV = VETY	COUNTRY	Linited Netherlands	United Nemedands	1 United Watherlands	Spanish America	Spanish America		Spannin America		100 Linned Nerherlands	100 United Netherlands	100 Crass Netherlands	50 Linited Nethorlands	DO United Netherlands	50 Chilad Netherlands	30 United Nerbertands	Spanish America	1 Sparsh Airhenands Grabare	1 Spainth Netherlands Brabani	Sparriet Netherlands	Spanish Netterlands	1 Grand Model Anna	т.
V. St. St.	1000 VE * 1	* COINS	V	×	•	-	Ī	-	-		001	001	100	09	00	20	30	=	e	-		*	**	
Secretary of Many	GOOS, VG = VBry A	CON	Six Survey	Six Sulvent	Six Sturens	Eight Reales	Eight Realist	Eight Reales	Eight Resiles	Eight Resies	Two Storens	Two Stufedra	Two Stumms	Six Shivers	Six Stulvers	Six Stainers	Str Sturrets	Eight Reales	Half Ducatore	Half Ducilions	Duczione	Half Ducations	Dusmone	
And Process of Committee of the Change of Sand Sand Williams Williams World Street Change	DOC T = PINK O W	REG #	40801	10810	11801	5140	5141	5143	5150	2153	2601-2700	2801-3002	3161-3200	4801-4850	4861-4900	5001-5060	5051-5060	6109	2112	5112	5116	2112	2146	
	6	W.	li.	14	17	H		Г	H	Г		ħ.	k	ii.	li.	E,	Fi.	h		E.	ħ	k	17	ŀ

P. Poor E. Floe G. Bootl VG - Very Good VF - Very Plac VF - Very Plac VVP - Very Place											
1	3 = 5000, VG = Yery	and the second	Car - 11 700 Fine	oor, vvir v		very Pobl, PA = Parrallel Axie, FA = Haverse Axis	feverse Axis				
	COIN	# COINS	COUNTRY	PHOVINCE	AUTHORITY /	MINT MARK	DATE	WT. (g) COND.	cat.	COMMENTS	ANCOOS
	Hijksdasider	r	United Netherlands	Urrecht	Estates General		1613	24.11 p	Day 4836	Silver 97%	WA
	Eight Rapies	**	Spanish America	Maxico	Philip V	OM	c 1708	23.86 VG	T/o Yr 560	Long Type Saver 23%	WA
	Eight Reales		Spanish America	Mexico	Philip V		E 1708	23.14 P	T/a Yr 550	Silver 92%	WA
	Eight Reales	+	Spanish America	Mexico	Philip V.		r 1708	22 94 G	T/0 Yr 560	Long Type Fleur de Lis Saver 83%	WA
	Eight Resist	•	Spanish America	Mexico	Philip V		c 1708	25.44 VG	T/O Yr 560	1/3	WA
	Eight Resist	-	Spanish America	Mexico	Philip.V		e 1708	25.6 VG		Silver 93%	WA
	Eight Reales	-	Spanish Atlanta	Maxico	Philip V	10	6071 2	25 t8 F	Tib Yr 560	Long Type Shwer 93%	WA
	Eight Reales		Spanish America	Mexico	Philip V		c 1708	23,21 1/6	T/o Yr 560	94,	WA
	Eight Reales	•	Spanish America	Merico	Philip V		5 1706	24.05 95		Sever 837s	WA
	Ergit Resies		Spanish America	Mesoco	Philip V		c 170g	26.1 p	T/0 Vr 550	3 Fleur de Lis Silver 93%	WA
	Eight Reales	-	Spanish America	Mexico	Philip V		c 1706	23.25 15	T/o Yr 560	Sher 33%	WA
	Eight Raales	**	Spanish America	Mexico	Philip IV		c 1708	25.52 VG	T/o Vr 560	Silver 93%	WA
	Prour Realist	=	Spanish America	J.	Philip V		0 1708	GV (5.8)		Shrer 93%	WA
	Four Reades	-	Spanish America	Mexico	Philip V	Me	r 1708	641 1/2	T/o Yr 563	Sover 33%	WA
- 1	Four Realest	#	Spanish America	Mexico	Philip V		c 1700	11.31.0	T/o Yr 580	Silver 93%	××
	Four Reside	*	Spanish America	Mexico	Philip V		E 1708	10.72 VG	Tro Yr S&b	Silver 93%	WA
	Egnt Assles	*	Spanish America	Mexico	Philip V		1708	25.02 p	T/o Yr 580	Savet 93%.	WA
	Six Stuivers	100	100 United Netherlands	Zeeland	Estates General	Towell	1121	424 10	De Voies a 75	Hot Schelingen Reverse axe Siver	WA
	Six Shrons	8		Zentard	Estables Gemeral	Tower	1141	421.5 p	De Vres a 76	Hot Scheingen Reverse axis. Silver 58,3% Cu 41,7%	WA
	Soc Shardes	50		Zeeland	Extatés General	Tower	1125	223 ave	De Villes # 72	Reverse axis Silver 58 3%Cu 41,7%	WA
	Six Stuivers	001	100 United Netherlands	Zeeland	Establis General	Tower	17.11	411 P	De Voing # 76	Reverse axis. Silver 58.3% C.i. 41.7%	WA
	Six Shevers	100			Estates General	Tower	1211	413.5 p	De Vrises # 76	Reverse axis, Silver 58:3% Cu 41,7%	WA
	Two Stuivers	•	50		Estates General	Tower	1706	1.0	De Vries # 76	Revenue axte. Silver 58:3% Cu 41,7%	WA
	Two Sturens	n		П	Estates General	Tower	1768	10.1	De Vries # 76	Panalal axis. Silver 58 3%Cu 41,7%	WA
7573-7592	Six Stulvers	0 10	3.7	Zeeland	Estates General	Middelburg Castle	1711	RE WG-F	De Vries a 72	On axis at 3 o'clock Silver 58 3%Cu 41,7%	WA
7583-7802	Six Stulvers	10		Zeetand	Estables General	Middelburg Castle	1709	2.03	De Vries # 72	Different date Silver 58,250Cu. 41,750	WA
	Six Sturvers	n	3 United Netherlands	Utractif	#	Middebory Carrie	1710	4	De Vries # 72	Parallel axis Sher 58.3% Cu 41.7%	WA
	Two Sluvers		1 United Notherlands	Zeeland	Estates General	Middelburg Castle	1711	1.33 p	De Vriss # 76	Revorse and Silver 58.3% Cu 41.7%	WA
	Two Stulvers		77	Zeeland	Estates General	Middelburg Castle	1711	141 F	Do Vries # 76	Parallel axis. Silver 58.3% Cu 41.7%	WA
	Six Stuhens	-	7.1	Zeeland	Estables General	Middelburg Castle	1711	4,25 F	On Vibra # 72	Parállal axis. Silver 58.3% Cu 41.7%	WA
	Six Stulvers		United Netherlands	Zeeland	Estates General	Middelburg Castle	1211	#. 65 P	Co. Vilas a 70	Charles San Charles Williams with Other Persons and Company	MA