

Assessment of the Glass finds from St John's Church, York (OSA04 EX02)

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Excavations at St John's Church, York, produced a large collection of glass, including window glass of medieval and later date and vessel glass which is mainly of 17th-century and later date.

The material includes a proportion which is in poor condition and will probably completely decay without conservation and specialised packaging. For this reason, an archive record was made of the glass.

This archive record of the glass finds was made, giving the colour, form and details of the finds by context. This was then used to provide a terminus post quem for each context. As with the pottery and clay tobacco pipes, the majority of the finds could have been deposited in the mid 18th century and could provide a useful assemblage for reconstructing glass use in the city at this time.

Description

Four hundred and thirty three fragments of glass were recorded. They weigh in total 3.852Kg.

Colour

With the exception of six fragments which are too badly corroded to determine, the colour of the glass was recorded (Table 1). No attempt was made to characterise the different types of glass used so that whilst some clear glass was of modern date other pieces were of later medieval or early post-medieval date.

Table 1

subfabric	Total
CLEAR	34
DARK GREEN	146
DARK RED	1
FULL BLUE	2
LIGHT BLUE	16
LIGHT GREEN	227
OPAQUE WHITE	1
UNIDENTIFIABLE	6
Grand Total	433

Condition

The condition of the glass was recorded (Table 1). There was most variation in the condition of the window glass which may well indicate differences in date. Much of the window glass is in a poor condition and could only be preserved through specialist packaging and conservation. In most cases, this is probably not justifiable.

Table 2

Condition	Total
	1
MIN DECAY	56
MORE DECAY	189
NO DECAY; SCRATCHED	2
SOME DECAY	143
STRIPPED	1
TOTAL DECAY	11
Grand Total	433

Form

Eleven different forms were recognised amongst the material (Table 3). The window glass includes seven pieces which formed the edges or rims of spun glass panes. These suggest that the glass was prepared on site, or that these edge pieces were utilised in unobtrusive parts of the window. No pieces of window glass with central pontil marks and thickening were found, however.

Table 3

Form	Details	Total
BEAD	Bead	1
BEAKER	Beaker	1
BOT	Unidentifiable bottle	116
FLASK	Flask	1
JAR	Jar	1
MALLET	Mallet-form bottle, c.1720-60	12
MALLET?		1
ONION	Onion-form bottle, c.1680-1720	8
ONION/MALLET		5
ONION?		2
PHIAL	Cylindrical medicine phials with flanged rims	12
S&G	Shaft and Globe form bottle, c.1640-60	2
TALL	Tall-form bottle, c.1760 onwards	6

WIND	Window glass	264
WIND?		1
Grand Total		433

Decoration

Some of the window glass was decorated with a red-brown opaque paint. This included a small number of pieces whose decoration might be datable or whose subject might be identified. It is recommended that these pieces are illustrated. Ideally, the decorated glass should be assessed by a specialist in post-Roman window glass (such as Dr C P Graves, University of Durham).

Much of the window glass either has traces of the lead comes in which it was mounted or has one or more grozed edges. Most of these pieces come from diamond-shaped panes but a few with more complex shapes were also present.

A single prunt with a 'raspberry' stamp was found. It probably comes from a narrow-necked flask.

A single mould-blown beaker rim was found. It is made from a clear glass with numerous bubbles and is possibly of Venetian origin and late medieval/early post-medieval date.

Date

A provisional *terminus post quem* was assigned to each piece of glass, as shown in Table 4. All of the window glass was given an arbitrary early 13th-century or later *tpq* although it is quite likely that much of it is of late- or post-medieval date. There also appear to be some modern (i.e. 19th/20th-century) pieces of grozed glass, which are assumed to be repairs to medieval windows.

Table 4

date	subfabric	Form	Total
13.1	DARK GREEN	WIND	4
	DARK RED	WIND	1
	FULL BLUE	WIND	2
	LIGHT BLUE	WIND	11
	LIGHT GREEN	WIND	210
		WIND?	1
15.2	UNIDENTIFIABLE	WIND	5
	CLEAR	BEAKER	1

		DARK GREEN	FLASK	1
	16.2	LIGHT GREEN	BOT	8
			JAR	1
	17.2	DARK GREEN	BOT	104
			S&G	2
		LIGHT GREEN	PHIAL	7
	17.3	DARK GREEN	ONION	8
			ONION/MALLET	5
			ONION?	2
		DARK GREEN Total		15
		LIGHT BLUE	PHIAL	5
	18.2	DARK GREEN	MALLET	12
			MALLET?	1
x				13
	18.3	CLEAR	WIND	26
		DARK GREEN	TALL	6
	20.1	CLEAR	BOT	3
			WIND	4
		DARK GREEN	BOT	1
		UNIDENTIFIABLE	WIND	1
nd		OPAQUE	BEAD	1
Grand Total				433

Assessment

Table 5 gives the *terminus post quem* for each of the contexts which produced glass. As noted above, the dates given here are purely arbitrary, to indicate the relative sequence. More precise dating can be obtained by studying the archive record (Appendix 1) and in the case of the window glass by obtaining a specialist assessment.

Table 5

context	13.1	15.2	16.2	17.2	17.3	18.2	18.3	20.1	nd	Grand Total
10003	1							3		4
10005								1		1
10007					1					1
10012	12				8		1			21
10037								1		1
10050	1									1
1010				1						1
1018				1						1

1022	6		1					7
1024	2		1					3
1026	1							1
1029			1					1
1030	6							6
1031	1							1
11016				1				1
11019	6	1	3			1		11
11028	2							2
2006			4					4
2007			1			2		3
2011			5	4		1		10
2013	76							76
2016	17							17
2026			1		2	2		5
2030					1			1
2032	10		2	1				13
2034	7							7
2039	2							2
2044	15							15
3010	1							1
3012	2		8	1	1			12
3014	6		1			6	3	16
3016	1							1
3018	2		2			5		9
4001			3					3
4005			1			1		2
4008			4		1			5
4009	2		22	2		4		30
5003	2							2
6000	1		4		1	1		7
6009			1					1
6011			2		1		1	4
6016			1	1		1		4
7000	1		3	1				5
7003			1					1
7006						1		1
7010			1				1	2
7013	1		2		1			4

7016	5			6						11
7018				1	1					2
7027	1				1					2
7029				1						1
7035	11		1	7	1					20
7038				1						1
7041	1									1
7043	1			4		1				6
7049				1						1
7056	1	1								2
7061	3			5						8
7068				1						1
7072	2			6						8
7075	1			2	1					4
7076	5					1				6
7086	4			3		3				10
7090							1			1
7094							3			3
7095	1						1			2
7096	1									1
7099	4									4
7100	1									1
7107	1									1
7111	2									2
7112	1									1
7113	2									2
7126	1		1							2
7145							1			1
7161	1									1
Grand Total	234	2	9	113	20	13	32	9	1	433

It is likely that most of the window glass found on the site comes from windows in St John's church, whereas much of the vessel glass is likely to have been brought onto the site with hard core used to raise the ground level. There are therefore strong academic reasons for studying this glass, and for at the least obtaining a specialist assessment of the material.

The main value of the vessel glass, however, is for the dating evidence it provides, since we cannot be certain that any of it was used on the site, nor can we hope to establish the place where it was used (although it is quite likely to have been to the south side of the Ouse).

Nevertheless, a few pieces of intrinsic interest were recovered. These include the bead, the prunt-decorated flask and the mould-blown beaker as well as pieces of window glass. Because they are unlikely to survive without conservation and packaging it is recommended that illustrations and a conservation assessment are obtained for these pieces (Table 6).

Table 6

DN	Context	Subfabric	Form	Part	Description
DR 01	2032	LIGHT GREEN	WIND	BS	MUCH OF DECAY FALLEN OFF LEAVING PATTERN OF WHERE PAINTED DEC HAD BEEN
DR 02; PHOTO	7010	OPAQUE	BEAD	BS	BLACK BACKGROUND WITH RED FEATHERING AND A YELLOW LOOP
DR 03; PHOTO	2016	DARK RED	WIND	BS	DARK BROWN PAINTED FLORAL DEC IN NEGATIVE; 3 GROZED EDGES; THICK GLASS
DR 05	7056	DARK GREEN	PRUNT	BS	FROM A FLASK
DR 06	1022	LIGHT GREEN	WIND	BS	TWO PARALLEL LINES OF BROWN PAINT WITH ONE BAND; FOUR GROZED EDGES ONE BROKEN
DR 07	2016	LIGHT GREEN	WIND	BS	TWO GROZED EDGES; LEAF DESIGN IN NEGATIVE WITH BROWN PAINT
DR 08	2016	LIGHT GREEN	WIND	BS	ONE GROZED EDGE; BROWN LINES/BAND
DR 09	2016	LIGHT GREEN	WIND	BS	ONE SHORT GROZED EDGE; TRACES OF DEC - BROWN BAND/FOLIAGE
DR 10	2044	LIGHT GREEN	WIND	BS	CURVED GROZED EDGE; DEC WITH BROWN PAINT
DR 11	2044	LIGHT GREEN	WIND	BS	TWO GROZED EDGES AT ACUTE ANGLE; BAND OF STAINED YELLOW ALONG ONE EDGE TOGETHER WITH TWO BROWN PAINTED // LINES
DR 12	2044	LIGHT BLUE	WIND	BS	BROWN PAINTED CIRCLES
DR 13	11019	CLEAR	BEAKER	R	MOULD-BLOWN LOZENGES; BUBBLED GLASS

Appendix 1

trench	context	cname	subfabric	Form	Description	date	Nosh	NoV	Weight	Condition
J	10003	MODGL	CLEAR	WIND	ONE SLIGHTLY ROUGH SURFACE	20.1	2	1	58	NO DECAY
J	10003	PMGL	CLEAR	BOT	MOULDED MEDICINE BOTTLE	20.1	1	1	3	NO DECAY
J	10003	PMGL	LIGHT GREEN	WIND	DIAMOND CUT EDGE; TRACE OF CAME	13.1	1	1	0	MIN DECAY
J	10005	MODGL	CLEAR	BOT	MOULDED; TRACES OF LABEL ROUND NECK; SAUCE BOTTLE 1930s/40s	20.1	1	1	116	NO DECAY
J	10007	PMGL	DARK GREEN	ONION?		17.3	1	1	79	SOME DECAY
J	10012	PMGL	CLEAR	WIND	THICK GLASS	18.3	1	1	24	MIN DECAY
J	10012	PMGL	DARK GREEN	ONION/MALLET		17.3	4	4	93	MORE DECAY
J	10012	PMGL	LIGHT BLUE	WIND	THIN GLASS	13.1	1	1	2	MIN DECAY
J	10012	PMGL	LIGHT BLUE	PHIAL	HAND BLOWN	17.3	4	1	10	MIN DECAY
J	10012	PMGL	LIGHT GREEN	WIND		13.1	1	1	2	MORE DECAY
J	10012	PMGL	LIGHT GREEN	WIND		13.1	1	1	3	MORE DECAY
J	10012	PMGL	LIGHT GREEN	WIND	TWO GROZED EDGES	13.1	1	1	4	SOME DECAY
J	10012	PMGL	LIGHT GREEN	WIND	2 GROZED EDGES; MEDIUM THICK GLASS	13.1	1	1	2	MORE DECAY
J	10012	PMGL	LIGHT GREEN	WIND	THIN GLASS	13.1	3	1	2	SOME DECAY
J	10012	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MORE DECAY
J	10012	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	SOME DECAY
J	10012	PMGL	LIGHT GREEN	WIND	POSS GROZED EDGE	13.1	1	1	2	SOME DECAY
J	10012	PMGL	LIGHT GREEN	WIND	ONE DIAMOND CUT EDGE WITH TRACE OF CAME	13.1	1	1	2	SOME DECAY
J	10037	PMGL	UNIDENTIFIABLE	WIND	VICTORIAN?	20.1	1	1	0	
J	10050	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE WITH TRACES OF CAME	13.1	1	1	2	MORE DECAY
A	1010	PMGL	DARK GREEN	BOT		17.2	1	1	11	SOME DECAY
A	1018	PMGL	DARK GREEN	BOT		17.2	1	1	6	MORE DECAY
A	1022	PMGL	DARK GREEN	BOT		17.2	1	1	20	SOME DECAY

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A	1022	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE // WITH ONE BROWN PAINTED LINE	13.1	1	1	3	MIN DECAY
A	1022	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE; TWO SETS OF TWO BROWN // LINES	13.1	1	1	3	MIN DECAY
A	1022	PMGL	LIGHT GREEN	WIND		13.1	1	1	2	SOME DECAY
A	1022	PMGL	LIGHT GREEN	WIND	TWO PARALLEL LINES OF BROWN PAINT WITH ONE BAND; FOUR GROZED EDGES ONE BROKEN	13.1	1	1	33	MIN DECAY
A	1022	PMGL	LIGHT GREEN	WIND		13.1	2	2	1	MORE DECAY
A	1024	PMGL	DARK GREEN	BOT		17.2	1	1	9	MORE DECAY
A	1024	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE; TRACE OF CAME	13.1	1	1	2	SOME DECAY
A	1024	PMGL	LIGHT GREEN	WIND	ONE DIAMOND CUT EDGE; TRACE OF CAME	13.1	1	1	1	MIN DECAY
A	1026	PMGL	LIGHT GREEN	WIND	TWO EDGES AT OBTUSE ANGLE; TRACES OF CAMES; SOME GROZING	13.1	1	1	5	MIN DECAY
A	1029	PMGL	DARK GREEN	BOT		17.2	1	1	7	MORE DECAY
A	1030	PMGL	LIGHT GREEN	WIND	1 GROZED EDGE	13.1	1	1	2	SOME DECAY
A	1030	PMGL	LIGHT GREEN	WIND	THIN GLASS	13.1	4	1	3	SOME DECAY
A	1030	PMGL	LIGHT GREEN	WIND	GROZED EDGE	13.1	1	1	1	MIN DECAY
A	1031	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE	13.1	1	1	1	MORE DECAY
K	11016	PMGL	LIGHT BLUE	PHIAL		17.3	1	1	5	MIN DECAY
K	11019	PMGL	CLEAR	WIND		18.3	1	1	1	MIN DECAY
K	11019	PMGL	CLEAR	BEAKER	MOULD-BLOWN LOZENGES; BUBBLED GLASS	15.2	1	1	4	MIN DECAY
K	11019	PMGL	DARK GREEN	BOT		17.2	1	1	7	MIN DECAY
K	11019	PMGL	DARK GREEN	BOT		17.2	1	1	2	MORE DECAY
K	11019	PMGL	LIGHT GREEN	WIND	CURVED EDGE WITH TRACES OF CAME	13.1	1	1	2	SOME DECAY
K	11019	PMGL	LIGHT GREEN	PHIAL		17.2	1	1	1	MIN DECAY
K	11019	PMGL	LIGHT GREEN	WIND	FRAGMENTS	13.1	1	1	1	TOTAL DECAY
K	11019	PMGL	LIGHT GREEN	WIND	THIN GLASS	13.1	4	1	1	MORE DECAY
K	11028	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	SOME DECAY

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K	11028	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE; TRACE OF CAME	13.1	1	1	4	MIN DECAY
B	2006	PMGL	DARK GREEN	BOT		17.2	4	1	11	SOME DECAY
B	2007	PMGL	CLEAR	WIND	ONE EDGE; TRACE OF CAME	18.3	1	1	1	MIN DECAY
B	2007	PMGL	CLEAR	WIND	TWO // EDGES 33 APART; TRACE OF CAMES	18.3	1	1	2	NO DECAY
B	2007	PMGL	LIGHT GREEN	PHIAL		17.2	1	1	1	MIN DECAY
B	2011	PMGL	CLEAR	WIND	2 GROZED EDGES; POSSIBLY TRIANGLE SHAPED	18.3	1	1	0	NO DECAY; SCRATCHED
B	2011	PMGL	DARK GREEN	BOT		17.2	2	2	51	MORE DECAY
B	2011	PMGL	DARK GREEN	BOT		17.2	1	1	1	SOME DECAY
B	2011	PMGL	DARK GREEN	BOT		17.2	1	1	23	MORE DECAY
B	2011	PMGL	LIGHT GREEN	BOT		16.2	5	5	6	MORE DECAY
B	2013	PMGL	LIGHT BLUE	WIND		13.1	1	1	1	MORE DECAY
B	2013	PMGL	LIGHT GREEN	WIND		13.1	30	30	39	MORE DECAY
B	2013	PMGL	LIGHT GREEN	WIND	TWO DIAMOND CUT EDGES AT RIGHT ANGLES AND TRACES OF CAMES	13.1	1	1	2	SOME DECAY
B	2013	PMGL	LIGHT GREEN	WIND	GROZED EDGE	13.1	1	1	1	SOME DECAY
B	2013	PMGL	LIGHT GREEN	WIND	GROZED CURVED EDGE AND TRAIL OF PUTTY	13.1	1	1	1	MORE DECAY
B	2013	PMGL	LIGHT GREEN	WIND	GROZED EDGE	13.1	1	1	1	MORE DECAY
B	2013	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE	13.1	1	1	1	SOME DECAY
B	2013	PMGL	LIGHT GREEN	WIND		13.1	1	1	11	MORE DECAY
B	2013	PMGL	LIGHT GREEN	WIND	TRACE OF BROWN PAINTING	13.1	1	1	3	SOME DECAY
B	2013	PMGL	LIGHT GREEN	WIND	EDGE OF GLASS SHEET	13.1	3	3	9	MORE DECAY
B	2013	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE	13.1	1	1	2	MORE DECAY
B	2013	PMGL	LIGHT GREEN	WIND	TWO GROZED EDGES; ONE MAKING AN ACUTE CURVE	13.1	1	1	2	MORE DECAY
B	2013	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE	13.1	1	1	14	SOME DECAY
B	2013	PMGL	LIGHT GREEN	WIND	MORE	13.1	29	29	7	MORE

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					COMPLETE FRAGMENTS					DECAY
B	2013	PMGL	LIGHT GREEN	WIND	DIAMOND CUT EDGE; TRACE OF CAME AND EVIDENCE OF PUTTY	13.1	1	1	3	MORE DECAY
B	2013	PMGL	LIGHT GREEN	WIND	FRAGMENTS	13.1	1	1	20	TOTAL DECAY
B	2013	PMGL	LIGHT GREEN	WIND	BROWN PAINTED DEC	13.1	1	1	3	SOME DECAY
B	2016	PMGL	DARK RED	WIND	DARK BROWN PAINTED FLORAL DEC IN NEGATIVE; 3 GROZED EDGES; THICK GLASS	13.1	1	1	18	SOME DECAY
B	2016	PMGL	LIGHT GREEN	WIND	ONE SHORT GROZED EDGE; TRACES OF DEC - BROWN BAND/FOLIAGE	13.1	1	1	3	SOME DECAY
B	2016	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE; BROWN PAINT	13.1	1	1	1	SOME DECAY
B	2016	PMGL	LIGHT GREEN	WIND	FRAGMENTS	13.1	1	1	1	TOTAL DECAY
B	2016	PMGL	LIGHT GREEN	WIND		13.1	5	5	3	MORE DECAY
B	2016	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE	13.1	1	1	3	MORE DECAY
B	2016	PMGL	LIGHT GREEN	WIND	TWO GROZED EDGES AT RIGHT ANGLES	13.1	1	1	1	MORE DECAY
B	2016	PMGL	LIGHT GREEN	WIND	TWO GROZED EDGES	13.1	1	1	5	SOME DECAY
B	2016	PMGL	LIGHT GREEN	WIND	TWO GROZED EDGES; LEAF DESIGN IN NEGATIVE WITH BROWN PAINT	13.1	1	1	6	SOME DECAY
B	2016	PMGL	LIGHT GREEN	WIND	THREE GROZED EDGES	13.1	1	1	2	SOME DECAY
B	2016	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE	13.1	1	1	4	MORE DECAY
B	2016	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE; BROWN LINES/BAND	13.1	1	1	5	MIN DECAY
B	2016	PMGL	LIGHT GREEN	WIND	TWO GROZED // EDGES - 18 APART	13.1	1	1	5	SOME DECAY
B	2026	PMGL	CLEAR	WIND	ONE SLIGHTLY ROUGH SUFACE	18.3	1	1	34	NO DECAY
B	2026	PMGL	CLEAR	WIND	PAINTED BLACK ON ONE SIDE; ONE DIAMOND CUT EDGE	18.3	1	1	4	NO DECAY
B	2026	PMGL	DARK GREEN	BOT		17.2	1	1	4	MIN DECAY
B	2026	PMGL	DARK GREEN	MALLET		18.2	2	1	36	SOME DECAY
B	2030	PMGL	DARK GREEN	MALLET		18.2	1	1	10	SOME

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										DECAY
B	2032	PMGL	DARK GREEN	S&G		17.2	1	1	24	MORE DECAY
B	2032	PMGL	DARK GREEN	BOT		17.2	1	1	3	MORE DECAY
B	2032	PMGL	DARK GREEN	WIND	2 GROZED EDGES AT RIGHT ANGLES	13.1	1	1	16	MORE DECAY
B	2032	PMGL	DARK GREEN	ONION		17.3	1	1	112	MORE DECAY
B	2032	PMGL	LIGHT GREEN	WIND	2 DIAMOND CUT EDGES - ACUTE ANGLE; TRACES OF CAMES	13.1	1	1	9	SOME DECAY
B	2032	PMGL	LIGHT GREEN	WIND	AT LEAST 1 GROZED EDGE; POSSIBLE PAINTED DEC	13.1	1	1	13	MORE DECAY; MORTAR FROM SOIL
B	2032	PMGL	LIGHT GREEN	WIND	1 GROZED EDGE	13.1	1	1	9	MORE DECAY
B	2032	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MORE DECAY
B	2032	PMGL	LIGHT GREEN	WIND	1 DIAMOND CUT EDGE	13.1	1	1	1	MORE DECAY
B	2032	PMGL	LIGHT GREEN	WIND	1 GROZED EDGE; EVIDENCE OF DARK BROWN PAINT	13.1	1	1	1	MORE DECAY
B	2032	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MORE DECAY
B	2032	PMGL	LIGHT GREEN	WIND	MUCH OF DECAY FALLEN OFF LEAVING PATTERN OF WHERE PAINTED DEC HAD BEEN	13.1	1	1	2	STRIPPED
B	2032	PMGL	UNIDENTIFIABLE	WIND		13.1	1	1	1	TOTAL DECAY
B	2034	PMGL	LIGHT BLUE	WIND		13.1	1	1	3	MORE DECAY
B	2034	PMGL	LIGHT BLUE	WIND	SUGGESTIONS OF PAINTED DEC	13.1	1	1	7	MORE DECAY
B	2034	PMGL	LIGHT GREEN	WIND		13.1	1	1	4	MORE DECAY
B	2034	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MORE DECAY
B	2034	PMGL	LIGHT GREEN	WIND		13.1	1	1	11	MIN DECAY; SET (FALLLEN) IN A LUMP OF MORTAR
B	2034	PMGL	LIGHT GREEN	WIND	EDGE OF GLASS SHEET	13.1	1	1	2	MORE DECAY
B	2034	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MORE DECAY
B	2039	PMGL	LIGHT GREEN	WIND	1 GROZED EDGE	13.1	1	1	1	MORE DECAY
B	2039	PMGL	LIGHT GREEN	WIND	2 GROZED // EDGES - 12	13.1	1	1	1	MORE DECAY

APART										
B	2044	PMGL	UNIDENTIFIABLE	WIND	ONE GROZED EDGE	13.1	1	1	1	MORE DECAY
B	2044	PMGL	UNIDENTIFIABLE	WIND	FRAGMENTS, ONE WITH GROZED EDGE	13.1	3	3	1	MORE DECAY
B	2044	PMGL	FULL BLUE	WIND	LINES OF BROWN PAINT	13.1	1	1	4	MORE DECAY
B	2044	PMGL	FULL BLUE	WIND	ONE GROZED EDGE; POSS DEC	13.1	1	1	8	MORE DECAY
B	2044	PMGL	LIGHT BLUE	WIND	TRAILING LINE OF BROWN PAINT	13.1	1	1	1	MIN DECAY
B	2044	PMGL	LIGHT BLUE	WIND	BROWN PAINTED CIRCLES	13.1	1	1	2	MIN DECAY
B	2044	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE; BROWN PAINTED LINE WITH RECTANGLE AGAINST IT	13.1	1	1	3	SOME DECAY
B	2044	PMGL	LIGHT GREEN	WIND	CURVED GROZED EDGE; DEC WITH BROWN PAINT	13.1	1	1	2	MIN DECAY
B	2044	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE; PROB PAINTED DEC	13.1	1	1	3	MORE DECAY
B	2044	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE; BROWN PAINTED LINES	13.1	1	1	1	MORE DECAY
B	2044	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MORE DECAY
B	2044	PMGL	LIGHT GREEN	WIND	TWO GROZED EDGES AT ACUTE ANGLE; BAND OF STAINED YELLOW ALONG ONE EDGE TOGETHER WITH TWO BROWN PAINTED // LINES	13.1	2	1	4	SOME DECAY
C	3010	PMGL	LIGHT GREEN	WIND	THIN GLASS	13.1	1	1	1	MORE DECAY
C	3012	PMGL	DARK GREEN	BOT		17.2	8	8	74	SOME DECAY
C	3012	PMGL	DARK GREEN	ONION		17.3	1	1	19	SOME DECAY
C	3012	PMGL	DARK GREEN	MALLET		18.2	1	1	30	SOME DECAY
C	3012	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	SOME DECAY
C	3012	PMGL	LIGHT GREEN	WIND	THIN GLASS	13.1	1	1	1	SOME DECAY
C	3014	PMGL	CLEAR	WIND	TWO DIAMOND CUT EDGES AT ACUTE ANGLE; TRACES OF CAMES AND PUTTY	18.3	1	1	5	NO DECAY

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C	3014	PMGL	CLEAR	WIND		18.3	1	1	2	NO DECAY
C	3014	MODGL	CLEAR	WIND	VERY THICK - 5	20.1	2	1	13	NO DECAY
C	3014	PMGL	CLEAR	WIND	THIN GLASS	18.3	2	2	4	MIN DECAY
C	3014	MODGL	CLEAR	BOT		20.1	1	1	7	NO DECAY
C	3014	PMGL	CLEAR	WIND	3 DIAMOND CUT EDGES; 21 WIDE AND AT LEAST 53 LONG; 5 ALL ROUND TRACES OF WINDOW PUTTY	18.3	1	1	7	NO DECAY
C	3014	PMGL	CLEAR	WIND	2 DIAMOND CUT EDGES; DARK MARK WHERE CAMES HAD BEEN	18.3	1	1	2	NO DECAY
C	3014	PMGL	LIGHT BLUE	WIND		13.1	1	1	1	MIN DECAY
C	3014	PMGL	LIGHT GREEN	WIND	THIN GLASS	13.1	1	1	3	SOME DECAY
C	3014	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	SOME DECAY
C	3014	PMGL	LIGHT GREEN	PHIAL		17.2	1	1	6	SOME DECAY
C	3014	PMGL	LIGHT GREEN	WIND	2 GROZED EDGES	13.1	1	1	2	MIN DECAY
C	3014	PMGL	LIGHT GREEN	WIND	2 GROZED EDGES; TRIANGLE OF GLASS ALMOST COMPLETE; 65 BY 65 BY 105; LESS DECAY WHERE CAMES HAD BEEN	13.1	1	1	8	MIN DECAY
C	3014	PMGL	LIGHT GREEN	WIND		13.1	1	1	2	MIN DECAY
C	3016	PMGL	DARK GREEN	WIND		13.1	1	1	16	MORE DECAY
C	3018	PMGL	CLEAR	WIND	DIAMOND CUT EDGE; TRACE OF CAMES ALONG TWO EDGES - OBTUSE ANGLE	18.3	1	1	4	NO DECAY
C	3018	PMGL	CLEAR	WIND	DIAMOND CUT EDGE; TRACE OF CAME ALONG ONE EDGE	18.3	1	1	1	NO DECAY
C	3018	PMGL	CLEAR	WIND		18.3	1	1	1	NO DECAY
C	3018	PMGL	CLEAR	WIND	DIAMOND CUT EDGE; TRACE OF CAME ALONG ONE EDGE	18.3	1	1	1	NO DECAY
C	3018	PMGL	CLEAR	WIND	ONE DIAMOND CUT EDGE	18.3	1	1	4	NO DECAY; SCRATCHED
C	3018	PMGL	DARK GREEN	BOT		17.2	2	2	12	MORE DECAY
C	3018	PMGL	LIGHT GREEN	WIND?	EDGE OF GLASS SHEET	13.1	1	1	1	MORE DECAY
C	3018	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	NO DECAY
D	4001	PMGL	DARK GREEN	BOT		17.2	2	1	11	SOME

										DECAY
D	4001	PMGL	DARK GREEN	BOT		17.2	1	1	6	MORE DECAY
D	4005	PMGL	CLEAR	WIND		18.3	1	1	9	NO DECAY
D	4005	PMGL	LIGHT GREEN	BOT		16.2	1	1	38	MIN DECAY
D	4008	PMGL	DARK GREEN	MALLET		18.2	1	1	40	MIN DECAY
D	4008	PMGL	DARK GREEN	BOT		17.2	4	3	6	MORE DECAY
D	4009	PMGL	DARK GREEN	ONION?		17.3	1	1	45	MORE DECAY
D	4009	PMGL	DARK GREEN	ONION		17.3	1	1	34	MORE DECAY
D	4009	PMGL	DARK GREEN	BOT		17.2	1	1	5	MIN DECAY
D	4009	PMGL	DARK GREEN	BOT		17.2	10	10	95	SOME DECAY
D	4009	PMGL	DARK GREEN	TALL		18.3	1	1	20	SOME DECAY
D	4009	PMGL	DARK GREEN	TALL		18.3	1	1	73	SOME DECAY
D	4009	PMGL	DARK GREEN	TALL		18.3	1	1	27	SOME DECAY
D	4009	PMGL	DARK GREEN	TALL		18.3	1	1	20	MIN DECAY
D	4009	PMGL	DARK GREEN	BOT		17.2	10	10	185	SOME DECAY
D	4009	PMGL	DARK GREEN	BOT		17.2	1	1	15	MIN DECAY
D	4009	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MORE DECAY
D	4009	PMGL	LIGHT GREEN	WIND	EDGE OF GLASS SHEET	13.1	1	1	16	MIN DECAY
E	5003	PMGL	LIGHT GREEN	WIND	TWO GROZED EDGES WITH OBTUSE ANGLE	13.1	1	1	1	MORE DECAY
E	5003	PMGL	LIGHT GREEN	WIND	PAINTED DEC BUT TOO DECAYED TO SEE	13.1	1	1	6	MORE DECAY
F	6000	PMGL	CLEAR	WIND		18.3	1	1	3	MIN DECAY
F	6000	PMGL	DARK GREEN	MALLET		18.2	1	1	17	MIN DECAY
F	6000	PMGL	DARK GREEN	BOT		17.2	1	1	8	SOME DECAY
F	6000	PMGL	DARK GREEN	BOT		17.2	3	3	70	SOME DECAY
F	6000	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	SOME DECAY
F	6009	PMGL	LIGHT GREEN	PHIAL		17.2	1	1	13	NO DECAY
F	6011	PMGL	DARK GREEN	MALLET		18.2	1	1	24	MORE DECAY
F	6011	MODGL	DARK GREEN	BOT	MOULDED	20.1	1	1	5	NO DECAY
F	6011	PMGL	DARK GREEN	BOT		17.2	1	1	82	SOME DECAY
F	6011	PMGL	DARK GREEN	BOT		17.2	1	1	6	MORE DECAY
F	6016	PMGL	DARK GREEN	TALL		18.3	1	1	24	SOME DECAY

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F	6016	PMGL	DARK GREEN	BOT		17.2	1	1	28	MORE DECAY
F	6016	PMGL	DARK GREEN	ONION		17.3	1	1	168	MORE DECAY
F	6016	PMGL	LIGHT GREEN	BOT		16.2	1	1	3	MIN DECAY
Nave	7000	PMGL	DARK GREEN	BOT		17.2	2	1	6	SOME DECAY
Nave	7000	PMGL	DARK GREEN	ONION/MALLET		17.3	1	1	113	SOME DECAY
Nave	7000	PMGL	DARK GREEN	BOT		17.2	1	1	59	SOME DECAY
Nave	7000	PMGL	LIGHT BLUE	WIND		13.1	1	1	1	MIN DECAY
Nave	7003	PMGL	LIGHT GREEN	PHIAL		17.2	1	1	4	SOME DECAY
Nave	7006	PMGL	DARK GREEN	TALL	HAND FINISHED NECK	18.3	1	1	28	NO DECAY
Nave	7010	PMGL	DARK GREEN	BOT		17.2	1	1	1	SOME DECAY
Nave	7010	PMGL	OPAQUE	BEAD	BLACK BACKGROUND WITH RED FEATHERING AND A YELLOW LOOP	nd	1	1	4	NO DECAY
Nave	7013	PMGL	DARK GREEN	BOT		17.2	1	1	12	SOME DECAY
Nave	7013	PMGL	DARK GREEN	MALLET?		18.2	1	1	3	SOME DECAY
Nave	7013	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MIN DECAY
Nave	7013	PMGL	LIGHT GREEN	PHIAL		17.2	1	1	6	MIN DECAY
Nave	7016	PMGL	DARK GREEN	BOT		17.2	2	2	34	SOME DECAY
Nave	7016	PMGL	DARK GREEN	BOT		17.2	2	2	10	SOME DECAY
Nave	7016	PMGL	DARK GREEN	BOT		17.2	2	1	19	MORE DECAY
Nave	7016	PMGL	LIGHT GREEN	WIND		13.1	1	1	2	MIN DECAY
Nave	7016	PMGL	LIGHT GREEN	WIND		13.1	1	1	4	SOME DECAY
Nave	7016	PMGL	LIGHT GREEN	WIND	FRAGMENTS	13.1	3	1	3	TOTAL DECAY
Nave	7018	PMGL	DARK GREEN	ONION		17.3	1	1	30	SOME DECAY
Nave	7018	PMGL	DARK GREEN	BOT		17.2	1	1	1	SOME DECAY
Nave	7027	PMGL	DARK GREEN	ONION		17.3	1	1	156	MIN DECAY
Nave	7027	PMGL	LIGHT BLUE	WIND		13.1	1	1	1	MIN DECAY
Nave	7029	PMGL	DARK GREEN	BOT		17.2	1	1	10	SOME DECAY
Nave	7035	PMGL	DARK GREEN	BOT		17.2	2	2	4	MORE DECAY
Nave	7035	PMGL	DARK GREEN	BOT		17.2	1	1	2	MORE DECAY
Nave	7035	PMGL	DARK GREEN	ONION		17.3	1	1	22	SOME DECAY

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Nave	7035	PMGL	DARK GREEN	BOT		17.2	3	3	15	SOME DECAY
Nave	7035	PMGL	DARK GREEN	BOT		17.2	1	1	23	SOME DECAY
Nave	7035	PMGL	LIGHT BLUE	WIND	3 POSSIBLE GROZED EDGES	13.1	1	1	6	MORE DECAY
Nave	7035	PMGL	LIGHT GREEN	WIND	TRACE OF BROWN PAINT	13.1	1	1	1	MORE DECAY
Nave	7035	PMGL	LIGHT GREEN	WIND	GROZED EDGE	13.1	1	1	3	MORE DECAY
Nave	7035	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MIN DECAY
Nave	7035	PMGL	LIGHT GREEN	BOT		16.2	1	1	1	MIN DECAY
Nave	7035	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MORE DECAY
Nave	7035	PMGL	LIGHT GREEN	WIND	FRAGMENTS	13.1	1	1	1	TOTAL DECAY
Nave	7035	PMGL	LIGHT GREEN	WIND	FRAGMENTED REMAINS	13.1	1	1	1	TOTAL DECAY
Nave	7035	PMGL	LIGHT GREEN	WIND	EDGE OF GLASS SHEET	13.1	1	1	2	SOME DECAY
Nave	7035	PMGL	LIGHT GREEN	WIND		13.1	2	2	1	MORE DECAY
Nave	7035	PMGL	LIGHT GREEN	WIND	TWO // GROZED EDGES 20 APART	13.1	1	1	6	MORE DECAY
Nave	7038	PMGL	DARK GREEN	BOT		17.2	1	1	12	SOME DECAY
Nave	7041	PMGL	LIGHT GREEN	WIND	ONE DIAMOND CUT EDGE WITH TRACE OF CAME	13.1	1	1	1	MIN DECAY
Nave	7043	PMGL	DARK GREEN	BOT		17.2	1	1	13	SOME DECAY
Nave	7043	PMGL	DARK GREEN	BOT		17.2	2	2	23	MORE DECAY
Nave	7043	PMGL	DARK GREEN	BOT		17.2	1	1	20	SOME DECAY
Nave	7043	PMGL	DARK GREEN	MALLET		18.2	1	1	26	MORE DECAY
Nave	7043	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MIN DECAY
Nave	7049	PMGL	DARK GREEN	S&G		17.2	1	1	105	SOME DECAY
Nave	7056	PMGL	DARK GREEN	FLASK	PRUNT	15.2	1	1	3	NO DECAY
Nave	7056	PMGL	LIGHT GREEN	WIND	POSS BROWN LINE	13.1	1	1	1	MORE DECAY
Nave	7061	PMGL	DARK GREEN	BOT		17.2	4	2	8	MORE DECAY
Nave	7061	PMGL	LIGHT GREEN	WIND	DIAMOND CUT EDGE; MARK OF CAME	13.1	1	1	1	MORE DECAY
Nave	7061	PMGL	LIGHT GREEN	PHIAL		17.2	1	1	3	SOME DECAY
Nave	7061	PMGL	LIGHT GREEN	WIND		13.1	1	1	2	MORE DECAY
Nave	7061	PMGL	LIGHT GREEN	WIND	EDGE OF GLASS SHEET	13.1	1	1	3	SOME DECAY
Nave	7068	PMGL	DARK GREEN	BOT		17.2	1	1	75	SOME

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										DECAY
Nave	7072	PMGL	DARK GREEN	BOT		17.2	6	1	49	MORE DECAY
Nave	7072	PMGL	LIGHT GREEN	WIND	THICK GLASS	13.1	1	1	2	MORE DECAY
Nave	7072	PMGL	LIGHT GREEN	WIND	THIN GLASS	13.1	1	1	1	MIN DECAY
Nave	7075	PMGL	DARK GREEN	BOT		17.2	1	1	11	SOME DECAY
Nave	7075	PMGL	DARK GREEN	BOT		17.2	1	1	18	MORE DECAY
Nave	7075	PMGL	DARK GREEN	ONION		17.3	1	1	13	MIN DECAY
Nave	7075	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	SOME DECAY
Nave	7076	PMGL	DARK GREEN	MALLET		18.2	1	1	98	SOME DECAY
Nave	7076	PMGL	LIGHT BLUE	WIND	THICK GLASS	13.1	1	1	1	MIN DECAY
Nave	7076	PMGL	LIGHT GREEN	WIND	MEDIUM GLASS	13.1	1	1	4	SOME DECAY
Nave	7076	PMGL	LIGHT GREEN	WIND	THIN GLASS	13.1	3	1	1	SOME DECAY
Nave	7086	PMGL	DARK GREEN	MALLET		18.2	3	1	70	SOME DECAY
Nave	7086	PMGL	DARK GREEN	BOT		17.2	1	1	2	MORE DECAY
Nave	7086	PMGL	DARK GREEN	BOT		17.2	2	2	74	SOME DECAY
Nave	7086	PMGL	LIGHT GREEN	WIND	SLIGHTLY UNDULATING AND VARYING IN THICKNESS	13.1	1	1	6	SOME DECAY
Nave	7086	PMGL	LIGHT GREEN	WIND	FRAGMENTS	13.1	1	1	1	TOTAL DECAY
Nave	7086	PMGL	LIGHT GREEN	WIND	TWO DIAMOND CUT EDGES AND TRACES OF CAMES	13.1	1	1	3	SOME DECAY
Nave	7086	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE	13.1	1	1	2	SOME DECAY
Nave	7090	PMGL	CLEAR	WIND		18.3	1	1	1	NO DECAY
Nave	7094	PMGL	CLEAR	WIND	SLIGHTLY ROUGH ON ONE SIDE	18.3	3	1	55	NO DECAY
Nave	7095	PMGL	CLEAR	WIND	CURVED EDGE; TRACES OF CAME	18.3	1	1	2	NO DECAY
Nave	7095	PMGL	LIGHT GREEN	WIND	FRAGMENTS	13.1	1	1	1	TOTAL DECAY
Nave	7096	PMGL	LIGHT GREEN	WIND		13.1	1	1	2	SOME DECAY
Nave	7099	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE	13.1	1	1	4	SOME DECAY
Nave	7099	PMGL	LIGHT GREEN	WIND	ONE EDGE WITH TRACES OF CAME	13.1	1	1	2	SOME DECAY
Nave	7099	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	SOME DECAY

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Nave	7099	PMGL	LIGHT GREEN	WIND	ONE GROZED EDGE	13.1	1	1	1	SOME DECAY
Nave	7100	PMGL	LIGHT GREEN	WIND	CURVED GROZED EDGE	13.1	1	1	6	MORE DECAY
Nave	7107	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MORE DECAY
Nave	7111	PMGL	LIGHT GREEN	WIND		13.1	1	1	3	SOME DECAY
Nave	7111	PMGL	LIGHT GREEN	WIND	EDGE OF GLASS SHEET	13.1	1	1	4	MORE DECAY
Nave	7112	PMGL	LIGHT GREEN	WIND	GROZED EDGE	13.1	1	1	1	SOME DECAY
Nave	7113	PMGL	DARK GREEN	WIND	ONE GROZED EDGE	13.1	1	1	2	MORE DECAY
Nave	7113	PMGL	DARK GREEN	WIND	FAINT SUGGESTION OF BROWN PAINTED DEC	13.1	1	1	5	MORE DECAY
Nave	7126	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	MORE DECAY
Nave	7126	PMGL	LIGHT GREEN	JAR	HAND BLOWN	16.2	1	1	1	MIN DECAY
Nave	7145	PMGL	CLEAR	WIND		18.3	1	1	10	NO DECAY
Nave	7161	PMGL	LIGHT GREEN	WIND		13.1	1	1	1	SOME DECAY