

Excerpt from:

THE MATERIAL CULTURE OF RI-1000,

A MID-17TH-CENTURY NARRAGANSETT INDIAN BURIAL SITE IN NORTH KINGSTOWN, RHODE ISLAND

by

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BEADS FROM RI-1000,

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Introduction

Fifty-seven types of beads are defined for RI-1000, of which 37 are European glass types, 12 are native shell, and the remaining eight types include brass beads of native and/or European manufacture. In total, there were 13,311 individual specimens.

In the following pages, each type is individually described and enumerated, and data on both intra- and inter-site distributions are provided. Glass bead types from RI-1000 are correlated with previous typologies, including that of Kidd and Kidd (1970), widely regarded as the most useful. The glass beads are further analyzed on the basis of color, an extension of a study undertaken on beads from a number of other Northeastern contact period sites by James W. Bradley (1982). However, no attempt is made within these pages to consider the symbolism in native culture involving the use of beads, a fascinating topic explored most fully to date by George Hamell in various papers (e.g. Hamell 1982).

Most of the glass beads at RI-1000 find counterparts on other 17th century sites in the region. Plain and striped tubular varieties are most abundant, and many of these types were probably products of Dutch glasshouses, which were most active during the portion of the 17th century in which RI-1000 was serving as a burial ground. In fact, at least ten of the 37 glass bead types from RI-1000 are duplicated on contemporary beadmaking sites in the Netherlands. Corresponding bead types from RI-1000 are combined in the following table with data published by Karlis Karklins (1974) on beads recovered by W. G. N. van der Sleen from 17th century bead producing sites in Holland.

(Fig. 6.)

Correlation of Glass Bead Types from RI-1000 and Dutch Production Centers

RI-1000 Type No.	Corresponding Kidd Type No. (Kidd & Kidd 1970)	Dutch Site Yielding Beads of Kidd Type (Karklins 1974)	Date of Dutch Site (Karklins 1974)
1	Ia2	Boeren-Wettering	first ½ 17 th c.
6	IIIa12	Boeren-Wettering	first ½ 17 th c.
11	IIIa8 (?)	Keizersgracht	17 th c.
14	Ib2	Boeren-Wettering	first ½ 17 th c.
17	Ibb2	Saxenburg	1679-1697 (?)
23	IIa14	's-Graveland	first ½ 17 th c.
24	IIa7	's-Graveland	first ½ 17 th c.
26	IIa43 (?)	Boeren-Wettering, 's-Graveland	first ½ 17 th c.
27	IIa46	Boeren-Wettering, 's-Graveland	first ½ 17 th c.
32	IIa44	Boeren-Wettering	first ½ 17 th c.

The distribution pattern of beads among the graves at RI-1000 is noteworthy. Altogether, 18 graves contained beads among the articles buried with the deceased. As seen in the table below, native shell beads were most frequently encountered, followed by glass and then brass beads. Moreover, the pattern of distribution according to age and sex may be significant. Note that beads were most often found with females, and particularly younger members of the sex. In fact, glass beads were associated exclusively with females, a pattern repeated in the distribution of several other artifact categories at RI-1000, notably glass bottles and tin-glazed ceramics.

(Fig. 7.)

Distribution of Beads at RI-1000, by Sex and Age

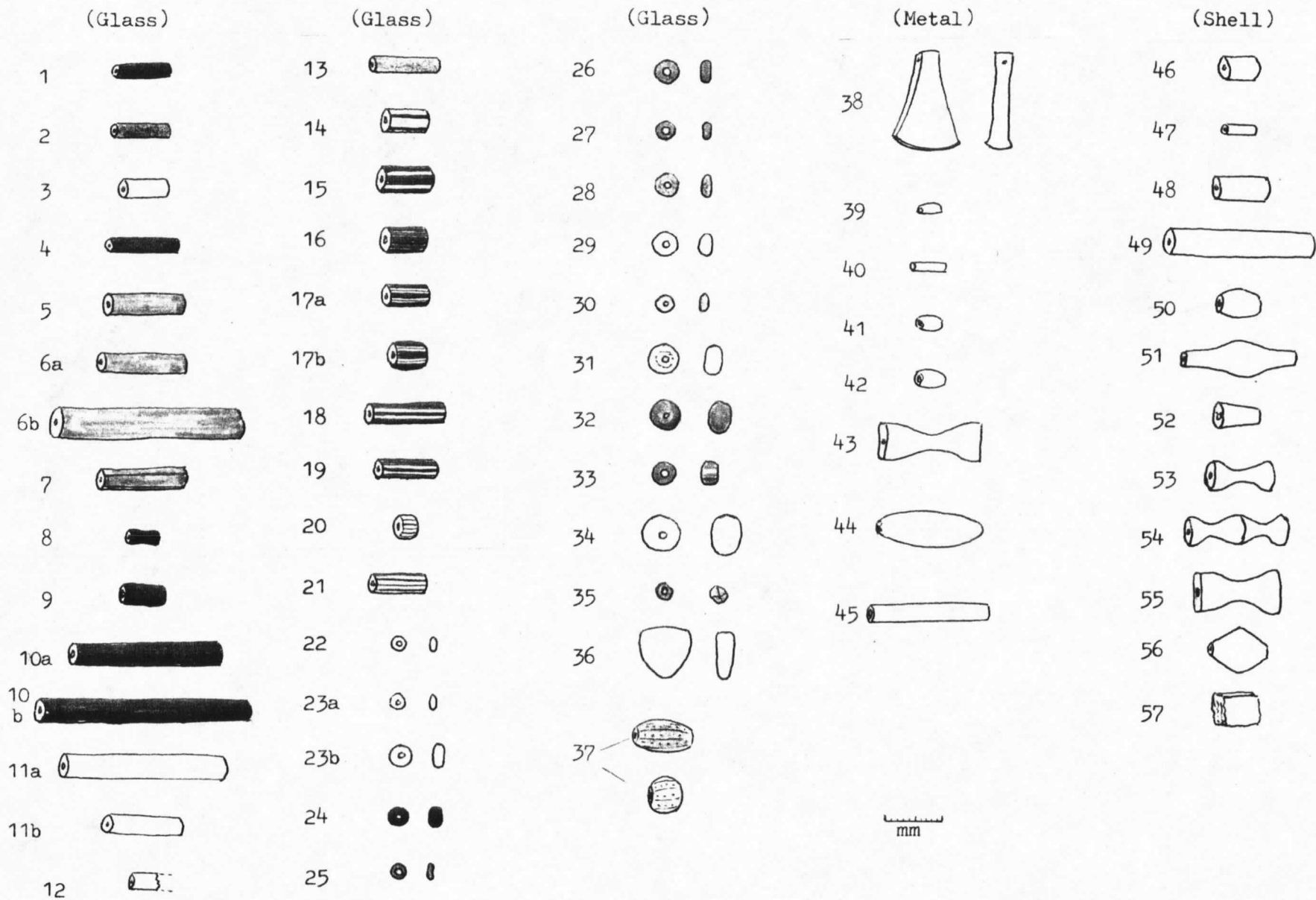
Bead Material	No. Graves	M/<18	M/>18	F/<18	F/>18
glass	11	-	-	9	2
brass	7	1	1	3	2
shell	13	2	1	9	1

The Indians of southern coastal New England were the major producers of the special cylindrical or drum-shaped marine shell beads called wampum (Ceci 1977). Wampum-making equipment, including a grooved abrading stone and several probable muxes or wampum drills, came from RI-1000 graves in 1983. Indians made a conscious distinction between the purple and white beads. The former were called Mowhackies and the latter, Wampompeage, according to William Wood's 1634 account (Wood 1977: 80-81). In the type distribution table in the present report, the overall shell bead counts are divided into purple and white color categories; purple is given as the upper number, white as the lower: pu/wh.

Purple shell beads were cut, drilled, and polished from a small section of the quahog or hard-shell clam (Mercenaria mercenaria) shell, while the white beads were made from the central columella of the whelk or conch (Busycon spp.). There is considerable standardization in size among the cylindrical shell beads of RI-1000, indicating their function as "true" wampum, a commodity used for ornamentation, rank symbolism, and as a medium of exchange with other Indians and with Europeans (Ceci 1977: 12-14).

More than two thousand small brass beads were distributed among seven graves at RI-1000. Some four-fifths of this total number comprised a single type (Type 40), a thin tubular bead cut into standard one-quarter-inch (6 mm) lengths from expertly prepared sheet metal tubes. Most of the other metal bead types were also rolled tubular forms, although not so skilfully produced or so consistent in size. Two bead types (38, 43) probably represent the products of native metalcasting. That the Narragansetts quickly adapted European brass-working technology to their own uses becomes evident upon examination of several other metal artifact categories, as well, including combs, spoons, and kettles.

Beads from RI-1000



Type Distribution of Beads from RI-1000, A Mid-17th-Century Narragansett Indian Burial Site in North Kingstown, RI

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(Fig. 9.)

BURIALS (1983 Excavations)

LOCI (1982 Recovery)

MISC. LOCI

CLASS

MISC.

SHALL

No. Beads
No. Types

No. Beads
No. Types

No. Beads
No. Types

Row	TOTAL
1	7
2	2
3	8
4	496
5	10
6	171
7	1
8	53
9	74
10	40
11	20
12	1
13	1
14	5
15	78
16	6
17	1
18	36
19	974
20	4
21	2707
22	125
23	109
24	120
25	19
26	855
27	3
28	131
29	90
30	5
31	2
32	27
33	1
34	41
35	13
36	20

6353	37
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2143

4815

15,311

Correlation of RI-1000 Glass Bead Typology with Previous Regional Classifications

(Fig. 10.)

RI-1000 No. (Turnbaugh)	Kidd & Kidd No. (1970)	Pratt (1961)		Wray (1973)		Fenstermaker (1974)		Burr's Hill No. (1980)
		No.	Dates	No.	Dates	No.	Dates	
1	Ia2	70(?)	1660-77+			141(?)	1645-65	B-5 (?)
2	Ia22							
3	Ia5	50(?)	1625-37					B-1
4	Ia20	82	1660-77+					B-10
5	IIIa9							
6	IIIa12			8-7	1645-60			B-14
7	Ib20							
8								
9				8-14	1660-75			
10								
11	IIIa8 (?)	74	1660-77					B-4
12								
13								
14	Ib2	81						
15	Ib4	75	1660-77					B-8 (?)
16	Ib3	71	1660-77	8-15	1660-75			B-17
17	Ibb2	77	1660-77	8-16	1660-75			
18	IIIbb2							
19	IIIbb5			8-11	1660-75			
20	IVb16	5(?)	1585-95	7-14	1590-1615	41		
21	IIIb5(?)	63(?)						
22				8-19	1660-75			
23	IIa14							
24	IIa7	84	1660-77					A-3
25	IIa56	65	1660-77	8-20	1660-75			A-7
26	IIa43(?)	7(?)	1570-95					C-5(?)
27	IIa46							
28	IIa59							
29	IIa11	2	1570-95+					A-2, C-1
30								
31	IVa--							
32	IIa44							
33	IIb71							
34	WIb7	62	1637-60	8-4	1645-60			
35	WIIc13							
36	WIIa1	1		8-3	1645-60	22	1550-75	
37								

Fig. 11. A Principal-Color Analysis of Glass Trade Beads from RI-1000

Principal Color*	SEED BEADS			TUBULAR CANE BEADS			LRG. RND. CANE BEADS			WIREWOUND BEADS			TOTALS		
	No. Beads	(%)	Type Nos.	No. Beads	(%)	Type Nos.	No. Beads	(%)	Type Nos.	No. Beads	(%)	Type Nos.	No. Beads	(%)	No. Types**
BLUE	1092	(17.19)	22,25,26 27,33	678	(10.67)	4,5,6,7	2	(0.03)	32	--	--		1772	(27.89)	10
YELLOW	1543	(24.29)	22	--	--		--	--		32	(0.50)	34,36 37	1575	(24.79)	4
WHITE	271	(4.27)	22,23,29	42	(0.66)	3,11,12 14,21	978	(15.39)	20,31	--	--		1291	(20.32)	10
GREEN	993	(15.63)	22,30	--	--		--	--		1	(0.02)	37	994	(15.65)	3
BLACK	322	(5.07)	22,24	263	(4.14)	1,8,9, 10,15, 16,17	--	--		--	--		585	(9.21)	9
BURGUNDY	7	(0.11)	22,28	3	(0.05)	2,13	--	--		41	(0.64)	35	51	(0.80)	5
RED	--	--		37	(0.58)	18,19	--	--		--	--		37	(0.58)	2
CLEAR	--	--		--	--		--	--		1	(0.02)	37	1	(0.02)	1
UNKNOWN	46	(0.72)	22	--	--		1	(0.02)	31	--	--		47	(0.74)	2
	4274	(67.28)		1023	(16.1)		981	(15.44)		75	(1.18)		6353	(100.)	

*In the case of multi-color striped beads, the principal color is the base or background color; thus, a blue bead with red and white stripes is counted as blue.

**Types 22, 31, and 37 are represented in more than one color category.

(Fig. 12.)

Color Analysis of Striped Glass Beads from RI-1000

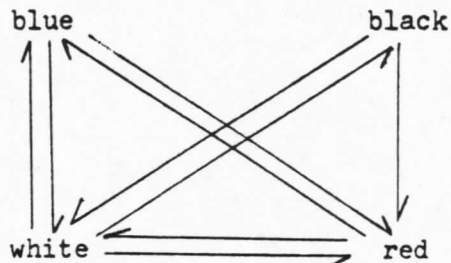
- A. Ten (10) of the 37 glass trade bead types at RI-1000 were multi-color striped beads. These types included:

<u>Type No.</u>	<u>Principal Color</u>	<u>Stripe Color(s)</u>
7	blue	red
14	white	black
15	black	white
16	black	red
17	black	red, white
18	red	blue, white
19	red	blue, white
20	white	red, blue
21	white	red, blue
33	blue	red, white

- B. Four (4) colors were utilized as background and as stripes on these multi-colored beads. These colors were:

medium bluewhiteblack (actually very dark translucent brown)brick-red

- C. These four colors were used in nearly every two- or three-color combination, except blue/black:



Appendix

BEAD TYPOLOGY FOR RI-1000,

A MID-17th-CENTURY NARRAGANSETT INDIAN BURIAL SITE IN NORTH KINGSTON, RHODE ISLAND

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Glass Beads

TYPE 1

(Kidd: Ia2)

Description: Simple glass cane bead of medium size; appears black in reflected light, but is actually dark translucent brown; untumbled

Size: Length, .9 - 1.0 cm; diameter, .2 - .3 cm

Sample: 7

TYPE 2

(Kidd: Ia22)

Description: Simple glass cane bead of medium size; dark burgundy or rosy-brown translucent glass with visible longitudinal fibers; untumbled

Size: Length, 1.0 cm; diameter, .25 cm

Sample: 2

TYPE 3

(Kidd: Ia5)

Description: Simple glass cane bead of small to medium size; opaque white glass with matte surface; tumbled

Size: Length, .65 - .8 cm; diameter, .3 - .4 cm

Sample: 8

TYPE 4

(Kidd: Ia20)

Description: Simple glass cane bead of medium size; clear deep blue glass with visible longitudinal fibers; broken edges; rarely tumbled

Size: Length, .85 - 1.6 cm (most well over 1.0 cm); diameter, .2 - .4 cm

Sample: 496

TYPE 5

(Kidd: IIIa9)

Description: Compound glass cane bead of medium size; core is clear deep blue glass (like that of Type 4); barely translucent outer layer is icy blue with visible fibers; between core and outer layer is very thin white medial layer; untumbled

Size: Length, 1.35 - 1.5 cm; diameter, .3 - .35 cm

Sample: 10

TYPE 6

(Kidd: IIIa12)

Description: Compound glass cane bead of both medium (Type 6a) and large (Type 6b) size; three layers; core and outer layers are both clear deep blue glass with visible longitudinal fibers; medial layer is thin translucent white glass; Type 6a is untumbled

Size: Type 6a: Length, .75 - 1.5 cm; diameter, .3 - .4 cm
Type 6b: Length, 3.3 cm; diameter, .5 cm

Sample: Type 6a: 170
Type 6b: 1

TYPE 7

(Kidd: Ib20)

Description: Simple glass cane bead of medium size with overlaid stripes; clear deep blue glass with visible longitudinal fibers overlaid with three thin opaque brick-red stripes on surface; untumbled

Size: Length, 1.5 cm; diameter, .3 cm

Sample: 1

TYPE 8

Description: Compound glass cane bead of small size; appears black in reflected light, but is actually dark translucent brown core with thin clear glass surface layer; longitudinal fibers sometimes visible; often somewhat "waisted"; tumbled

Size: Length, .45 - .6 cm; diameter, .25 - .3 cm

Sample: 53

TYPE 9

Description: Compound glass cane bead of small size; appears black in reflected light, but is actually dark translucent brown core with thin surface layer of clear glass; longitudinal fibers sometimes visible; thicker, more cylindrical, and less "waisted" than Type 8; lightly tumbled

Size: Length, .5 - .95 cm; diameter, .4 cm

Sample: 74

TYPE 10

Description: Compound glass cane bead of medium (Type 10a) to large (Type 10b) size; appears black in reflected light, but is actually dark translucent brown core with thin surface layer of clear glass; longitudinal fibers visible, especially near ends; untumbled

Size: Type 10a: Length, 2.3 - 2.6 cm; diameter, .3 cm

Type 10b: Length, 3.1 - 3.8 cm; diameter, .37 - .4 cm

Sample: Type 10a: 6

Type 10b: 34

TYPE 11

(Kidd: IIIa8 (?))

Description: Compound glass cane bead of medium (Type 11b) to large (Type 11a) size; core and outer layers of colorless translucent glass, with thinner medial layer of opaque white glass; untumbled

Size: Type 11a: Length, 2.9 cm; diameter, .45 cm

Type 11b: Length, 1.3 - 1.5 cm; diameter, .2 - .3 cm

Sample: Type 11a: 1

Type 11b: 27

TYPE 12

Description: Compound glass cane bead, probably of medium size (single specimen is broken); opaque ivory-colored core has a thin layer of whiter opaque glass on surface; tumbled

Size: Length, .3 cm + (specimen broken); diameter, .32 cm

Sample: 1

TYPE 13

IIIa3

Description: Compound glass cane bead of medium size; core of clear greenish glass with visible fibers, overlaid with layer of translucent brick-red to rose glass with visible longitudinal fibers; untumbled

Size: Length, 1.25 cm; diameter, .3 cm

Sample: 1

TYPE 14

(Kidd: Ib2)

Description: Simple glass cane bead of small size with overlaid stripes; opaque white glass with three applied stripes of translucent dark brown glass; tumbled

Size: Length, .8 cm; diameter, .4 cm

Sample: 1

TYPE 15

(Kidd: Ib4)

Description: Compound glass cane bead of medium size with overlaid stripes; core is glass that appears black in reflected light, but is actually dark translucent brown; three stripes of translucent white are overlaid on core, and both core and stripes are covered by an outer layer of clear glass with visible longitudinal fibers; untumbled

Size: Length, .7 - .9 cm; diameter, .45 cm

Sample: 5

TYPE 16

(Kidd: Ib3)

Description: Compound glass cane bead of medium size with overlaid stripes; core is glass that appears black in reflected light but is actually dark translucent brown; three stripes of brick-red glass are overlaid on core, and both core and stripes are covered by an outer layer of clear glass; untumbled and very lightly tumbled

Size: Length, .6 - .9 cm; diameter, .3 - .45 cm

Sample: 78

TYPE 17

(Kidd: Ibb2)

Description: Compound glass cane bead of medium size with overlaid compound stripes of two colors; core is glass that appears black in reflected light but is actually dark translucent brown; three compound stripes, each consisting of an opaque brick-red strip between two opaque white stripes, have been inlaid into surface of core; core and stripes are coated with an outer layer of clear glass; tumbled

Size: Type 17a (tubular): Length, .8 cm; diameter, .3 cm
Type 17b (barrel): Length, .5 - .6 cm; diameter, .3 - .6 cm

Sample: Type 17a: 3
Type 17b: 3

TYPE 18

(Kidd: IIIbb2)

Description: Compound glass cane bead of medium size with overlaid compound stripes of two colors; core of clear greenish glass with visible fibers is overlaid by layer of translucent brick-red glass; three thin compound stripes, each consisting of a translucent medium-blue strip between two strips of translucent white glass, are overlaid on the surface; untumbled

Size: Length, 1.4 cm; diameter, .35 cm

Sample: 1

TYPE 19

(Kidd: IIIbb5)

Description: Compound glass cane bead of medium size with overlaid compound stripes of two colors; core of clear greenish glass with visible fibers is overlaid by layer of opaque brick-red glass; three thin compound stripes, each consisting of a strip of translucent medium-blue glass applied over a wider strip of translucent white glass (so that a white strip is exposed on either side of the blue one), are overlaid on the surface; untumbled

Size: Length, .8 - 1.15 cm; diameter, .25 - .35 cm

Sample: 36

TYPE 20

(Kidd: IVb16)

Description: Compound glass cane bead of spheroidal form with simple overlaid stripes of two colors; core of ice-blue glass is coated by very thin opaque white layer having six stripes of alternating bright blue and brick-red (3 of each) on its surface; outer layer of clear glass has occasional open bubbles; rounded and heavily polished

Size: Diameter, .35 - .5 cm; thickness, .2 - .4 cm

Sample: 974

TYPE 21

(Kidd: IIIb5, but with only 6 stripes, not 8)

Description: Compound glass cane bead of medium size with simple overlaid stripes of two colors; core of ice-blue glass with visible fibers is coated by very thin opaque white layer having six stripes of alternating bright blue and brick-red (3 of each) on its surface; outer layer of clear glass; untumbled

Size: Length, .8 - 1.1 cm; diameter, .3 cm

Sample: 4

TYPE 22

Description: Glass seed beads of small size and simple construction; glass ranges from clear to opaque; colors include (in order of decreasing popularity) yellow, green, blue, black, and white; many are heavily oxidized

Size: Diameter, .2 cm; thickness, .1 cm

Sample: 2787

TYPE 23

(Kidd: IIa14)

Description: Glass seed bead of small to medium size, apparently of compound construction; core and outer layer of opaque white glass seem to be separated by a very thin bright white central layer; matte surface shows bubbles and cracks; heavily tumbled

Size: Type 23a (small): Diameter, .15 - .2 cm; thickness, .1 - .15 cm
Type 23b (medium): Diameter, .3 - .375 cm; thickness, .2 - .25 cm

Sample: Type 23a: 53
Type 23b: 72

TYPE 24

(Kidd: IIa7)

Description: Glass seed bead of medium size and simple construction; appears black in reflected light, but is actually dark translucent brown; well rounded edges and matte surface; heavily tumbled

Size: Diameter, .3 - .4 cm; thickness, .175 - .3 cm

Sample: 109

TYPE 25

(Kidd: IIa56)

Description: Glass seed bead of medium size and simple construction; clear deep blue glass that often turns sugary and friable; tumbled

Size: Diameter, .2 - .4 cm; thickness, .1 - .2 cm

Sample: 128

TYPE 26

(Kidd: IIa43 (?))

Description: Glass seed bead of medium size and simple construction; opaque robin's egg blue glass; well-rounded edges and matte surface; heavily tumbled

Size: Diameter, .4 cm; thickness, .2 - .3 cm

Sample: 19

TYPE 27

(Kidd: IIa46)

Description: Glass seed bead of medium size and simple construction; opaque teal-blue glass; surface often weathered to grey-blue; considerable size variation; heavily tumbled

Size: Diameter, .25 - .35; thickness, .15 - .25 cm

Sample: 855

TYPE 28

(Kidd: IIa59)

Description: Glass seed bead of medium size and simple construction; translucent burgundy or rose-amethyst color; moderately tumbled

Size: Diameter, .4 cm; thickness, .2 cm

Sample: 3

TYPE 29

(Kidd: IIa11)

Description: Glass seed bead of medium size and simple construction; clear greenish glass made translucent by heavy tumbling

Size: Diameter, .3 - .5 cm; thickness, .2 - .4 cm

Sample: 131

TYPE 30

Description: Glass seed bead of medium size and simple construction; translucent emerald-green glass; moderately tumbled

Size: Diameter, .3 cm; thickness, .15 - .2 cm

Sample: 90

TYPE 31

(Kidd: IVa-)

Description: Glass seed bead of large size and compound construction; mostly white opaque glass with visible core; tumbled

Size: Diameter, .45 - .5 cm; thickness, .3 cm

Sample: 5

TYPE 32

(Kidd: IIa44)

Description: Small round glass bead of simple construction; bright translucent blue glass with clearly visible fibers parallel to bore; probably cut from cane and then rounded by reheating; untumbled

Size: Diameter, .45 - .5 cm; thickness, .3 - .4 cm

Sample: 2

TYPE 33

(Kidd: IIb71)

Description: Small glass seed bead of compound construction with stripes of two colors; core of clear deep blue glass overlaid with four stripes of alternating opaque brick-red and opaque white glass; core and stripes covered by a thin outer layer of the same clear deep blue glass; tumbled

Size: Diameter, .3 - .35 cm; thickness, .2 - .3 cm

Sample: 27

TYPE 34

(Kidd: WIb7)

Description: Large round wirewound glass bead; clear glass of bright lemon yellow color, with bubbles that stretch around bead at right angle to bore; tumbled

Size: Diameter, .75; thickness, .5

Sample: 1

TYPE 35

(Kidd: WIIC13)

Description: Small faceted wirewound glass bead; dark burgundy or rosy-brown translucent glass; very irregularly faceted by flattening still-molten surface

Size: Length, .3 - .4 cm; diameter, .3 - .4 cm

Sample: 41

TYPE 36

(Kidd: WIIa1)

Description: Wirewound glass bead of medium size; shape modified to resemble grain of corn or maize; bore through long axis; translucent yellow glass with clearly visible fibers at right angles to the bore; surface often oxidized

Size: Length, .85 cm; width, .95 cm

Sample: 13

TYPE 37

Description: Round to oblong glass beads of probable wire-wound construction, with impressed designs and gold overlay; resinous glass of several colors, including clear, translucent amber, translucent yellow-green; surface impressed with from 12 to 20 lines of dots and straight lines (generally alternating), parallel to bore; impressions and some surface areas retain thin gold leaf overlay; glass generally sugary

Size: (Round): Diameter, .6 cm; thickness, .5 cm

(Oblong): Length, .8 - 1.05 cm; diameter, .6 - .75 cm

Sample: 20

Metal Beads

TYPE 38

Description: Copper-alloy bead; wedge-shaped with 1 mm perforation from side-to-side through narrow end; probably native-cast and hammered

Size: Length, 1.6 - 1.8 cm; width (base), 1.1 - 1.5 cm; width (top), .2 - .3 cm; thickness, .35 - .45 cm

Sample: 7

TYPE 39

Description: Small copper-alloy bead of cocoon or barrel form; somewhat crudely made from tiny strip of rolled and overlapped metal; ends tapered

Size: Length, .25 - .45 cm; diameter, .175 - .2 cm

Sample: 294

TYPE 40

Description: Small copper-alloy bead of tubular form; made by rolling metal into long thin tube, carefully joined at edges, then individually cut off into nearly uniform 1/4-inch lengths; lengthwise seam and end-facets clearly visible

Size: Length, .6 cm; diameter, .2 cm

Sample: 1755

TYPE 41

Description: Small copper-alloy bead of barrel form; neatly made with tapered ends and no visible seams

Size: Length, .35 - .45 cm; diameter, .3 - .35 cm

Sample: 70

TYPE 42

Description: Small copper-alloy bead of round to oblong form; made by rolling and overlapping ends of a somewhat roughly cut strip of metal; seam visible; ends rounded or tapered

Size: Diameter, .4 cm; thickness, .4 cm

Sample: 1

TYPE 43

Description: Medium-sized copper-alloy bead of flat "hour-glass" or "bow-tie" form; individually cast or cut; bored through horizontal axis

Size: Length, 1.8 - 1.85 cm; width (end), .65 - .7 cm; width (mid), .3 cm; thickness, .25 cm

Sample: 1

TYPE 44

Description: Large copper-alloy bead of elongated, biconical form; made from strip of rolled sheet metal, joined neatly at a longitudinal seam; mid-section of bead often has lightly scored line around it, at right angle to bore; ends are tapered

Size: Length, 1.65 - 1.85 cm; width (end), .25 cm; width (mid), .5 - .6 cm

Sample: 14

TYPE 45

Description: Long copper-alloy bead of tubular form; made from strip of sheet metal rolled and overlapped, with a straight seam

Size: Length, 2.1 cm; diameter, .3 cm

Sample: 1

Shell Beads

TYPE 46

Description: Shell bead of standard cylindrical "wampum" form; purple beads are made from small section of hardshell or quahog clam shell (*Mercenaria mercenaria*), while white beads are made from central columella of conch shell (*Busycon* spp.); bore drilled from both sides to meet in middle; generally very uniform in size and finish

Size: Length, .5 - .6 cm; diameter, .4 - .45 cm

Sample: 3637 (pu=2009, wh=1628)

TYPE 47

Description: Shell bead of cylindrical form, but with smaller diameter and shorter length than "standard" (Type 46); both purple and white examples

Size: Length, .35 - .7 cm; diameter, .2 - .35 cm

Sample: 810 (pu=339, wh=471)

TYPE 48

Description: Shell bead of cylindrical form with larger diameter and greater length than "standard" (Type 46); both purple and white examples

Size: Length, .75 - 1.0 cm; diameter, .3 - .5 cm

Sample: 63 (pu=39, wh=24)

TYPE 49

Description: Shell bead of cylindrical form, but very much larger than "standard" (Type 46); both purple and white examples

Size: Length, 1.1 - 2.7 cm; diameter, .3 - .5 cm

Sample: 209 (pu=109, wh=100)

TYPE 50

Description: Shell bead of spheroidal to elongated, biconical form; both purple and white examples

Size: Length, .5 - .6 cm; diameter, .5 cm

Sample: 41 (pu=9, wh=32)

TYPE 51

Description: Shell bead of flat lozenge shape with elongated ends; longitudinally drilled; purple example only

Size: Length, 2.0 cm; width (end), .4 cm; width (mid), .6 cm; thickness, .4 cm

Sample: 1 (pu=1)

TYPE 52

Description: Shell bead of conical shape; longitudinally drilled; white example only

Size: Length, .7 cm; diameter (large end), .4 cm; diameter (narrow end), .3 cm

Sample: 1 (wh=1)

TYPE 53

Description: Shell bead of "waisted" or "hour-glass" form; longitudinally drilled; both purple and white examples

Size: Length, .8 - .9 cm; diameter (end), .6 cm; diameter (mid), .4 cm

Sample: 3 (pu=1, wh=2)

TYPE 54

Description: Shell bead of double-waisted form, with flared ends and expanded mid-section; mid-section usually has scored line around it at right angle to bore; longitudinally drilled; white examples only

Size: Length, 1.1 - 1.75 cm; diameter, .4 - .5 cm

Sample: 6 (wh=6)

TYPE 55

Description: Shell bead of thin flat "hour-glass" or "bow-tie" form; similar to Type 53, but flat; longitudinally drilled; purple examples only

Size: Length, 1.3 cm; width (end), .75 cm; width (mid), .5 cm; thickness, .25 cm

Sample: 2 (pu=2)

TYPE 56

Description: Shell bead of lozenge form; thin and flat; longitudinally drilled; purple examples only

Size: Length, .9 cm; width (max.), .8 cm; thickness, .2 cm

Sample: 5 (pu=5)

TYPE 57

Description: Shell bead pre-forms or "blanks" for purple wampum; carefully shaped purple sections of hardshell clam shell have been "nibbled" to rectangular form and lightly smoothed, preparatory to drilling and polishing; thickness determined by natural shell thickness; natural surfaces evident on faces of blanks; purple examples only

Size: Length, .5 - .9 cm; width, .4 - .65 cm

Sample: 37 (pu=37)

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