

APPENDIX E

Technical database of beads outside of Panama (Group 3)



Pre-Columbian Gold in the Smithsonian Collections

Object/Catalogue #	007035.000	Owner	NMAI	Count		Curation Location	
Object Class	Bead	Object Sub-Class					
Country	Colombia	Province	Magdalena	Area			
Site	Santa Marta	Geographic Zone			Style		
Provenience Documentation	<input type="checkbox"/> Field Notes <input type="checkbox"/> Accession docs/letters <input type="checkbox"/> Stylistic <input type="checkbox"/> Other... <input type="checkbox"/> Publication <input type="checkbox"/> Inferred <input type="checkbox"/> None						
Accession #			Name in Records				
Collector			Date Collected				
Donor			Date Accessioned				
Cultural ID			Period				
Catalogue Info						Accession Info	
Research Notes						References	



Examination ☒ Visual ☒ Microscopy ☒ MicroPhoto ☐ Other... Exam Operator ACH Exam date 5/24/2011

Measurements	15.5mm (long) x 9.5mm (diam.)
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Length: Width: Height: Diam.: Thickness Weight:

Condition/Treatment Notes	residual adhesive and paper from past mounting method
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Corrosion ☒ None ☐ Green-Surface ☐ Green-Core ☐ Black-Surface ☐ Black-Core ☐ Red-Surface ☐ Red-Core ☐ Other...

Corrosion notes

Primary Fabrication ☐ Cast- Open Back ☐ Cast- Solid ☐ Hammered-Sheathing ☐ Other/Unknown
☒ Cast- Closed Core ☐ Hammered-Sheet ☐ Wire/Rod

Fabrication Notes	Little to no core material present
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Material ☐ Copper ☒ Gold Alloy ☐ Organic ☐ Resin ☐ Stone ☐ Shell ☐ Composite ☐ Unknown ☐ Not present ☐ Other

Material Notes

Surface Coloration ☐ Coppery ☒ Gold ☐ Reddish ☐ Pinkish ☐ Mixed ☐ Other

Coloration Notes

Finishing ☐ Surface Enrichment ☐ Polished ☐ None ☐ Other

Finishing Notes

Decorative details ☒ All cast ☐ Embossed ☐ Incised ☐ Chased ☐ Filigree ☐ Granulation ☐ Punched ☐ Other...

Decorative detail notes

Joinery ☒ All cast ☐ Mechanical ☐ Solder ☐ Other/Unknown

Joinery Notes

Usewear/toolmarks ☐ Abrasion ☐ Rubbed ☐ Scratches ☐ Burr(s) ☐ Cracking ☐ Incised ☐ Core/Investment ☐ Other

Usewear/toolmarks Notes

Pseudomorphs

Analysis rec's ☐ XRF ☐ X-ray radiograph ☐ ESEM-EDS ☐ PIXE ☐ LA-ICPMS ☐ Metallography ☐ Other

Analysis Rec Notes

☐ Special ☐ Followup ☐ Re-do ☐ Conservation required ☐ Re-packaging required ☐ Other...

Analysis #1

Type XRF

Analysis Operator ACH

Analysis Date

2/1/201

Reliability

Location of analysis	See photo or .evt file
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Analysis location notes

Cu	Au	Ag	Zn	Cd	As	Ni	Fe	Sn	Sb	Hg	Pb	Bi	Trace	Removed
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[illegible]

Analysis #2

Type

Analysis Operator

Analysis Date

	
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Reliability

Location of analysis

Analysis location notes

Cu	Au	Ag	Zn	Cd	As	Ni	Fe	Sn	Sb	Hg	Pb	Bi	Trace	Removed
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[illegible]



Pre-Columbian Gold in the Smithsonian Collections

Object/Catalogue #	053961.000	Owner	NMAI	Count		Curation Location	
Object Class	Bead	Object Sub-Class	zoomorphic				
Country	Colombia	Province		Area			
Site	Sinu River	Geographic Zone			Style		
Provenience	<input type="checkbox"/> Field Notes <input type="checkbox"/> Accession docs/letters <input type="checkbox"/> Stylistic <input type="checkbox"/> Other...						
Documentation	<input type="checkbox"/> Publication <input type="checkbox"/> Inferred <input type="checkbox"/> None						
Accession #			Name in Records				
Collector			Date Collected				
Donor			Date Accessioned				
Cultural ID			Period				
Catalogue Info						Accession Info	
Research Notes						References	



Examination ☒ Visual ☒ Microscopy ☒ MicroPhoto ☐ Other... Exam Operator ACH Exam date 5/16/2011

[illegible]

Reliability

Analysis location notes bead 1

Results

Reliability

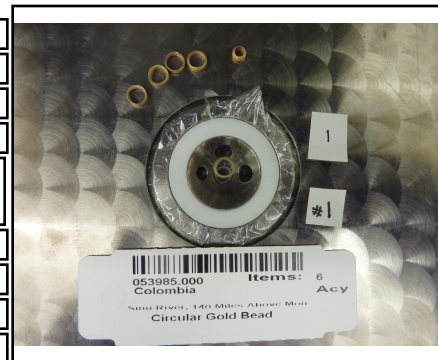
Analysis location notes bead 2

Results



Pre-Columbian Gold in the Smithsonian Collections

Object/Catalogue #	053985.000	Owner	NMAI	Count		Curation Location	
Object Class	Bead	Object Sub-Class					
Country	Colombia	Province	Sinu River	Area			
Site		Geographic Zone		Style			
Provenience	<input type="checkbox"/> Field Notes <input type="checkbox"/> Accession docs/letters <input type="checkbox"/> Stylistic <input type="checkbox"/> Other...						
Documentation	<input type="checkbox"/> Publication <input type="checkbox"/> Inferred <input type="checkbox"/> None						
Accession #			Name in Records				
Collector			Date Collected				
Donor			Date Accessed				
Cultural ID			Period				
Catalogue Info						Accession Info	
Research Notes						References	



Examination ☒ Visual ☒ Microscopy ☒ MicroPhoto ☐ Other... Exam Operator ACH Exam date 5/16/2011

Description	Six circular beads Hollow sheet construction bead
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Measurements	bead 1) 5.6mm diam x 1.7mm long
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Length: Width: Height: Diam.: Thickness Weight:

Condition/Treatment Notes	Overall condition good.
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Corrosion ☒ None ☐ Green-Surface ☐ Green-Core ☐ Black-Surface ☐ Black-Core ☐ Red-Surface ☐ Red-Core ☐ Other...

Corrosion notes

Primary Fabrication ☐ Cast- Open Back ☐ Cast- Solid ☐ Hammered-Sheathing ☐ Other/Unknown
☐ Cast- Closed Core ☒ Hammered-Sheet ☐ Wire/Rod

Fabrication Notes	thick sheet with overlap and seam visible on interior of beads. Join not visible on exterior. No solder visible. Bead 6 is curved (slight bevel at edges) and smaller.
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Material ☐ Copper ☒ Gold Alloy ☐ Organic ☐ Resin ☐ Stone ☐ Shell ☐ Composite ☐ Unknown ☐ Not present ☐ Other

Material Notes	
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Surface Coloration ☐ Coppery ☒ Gold ☐ Reddish ☐ Pinkish ☐ Mixed ☐ Other

Coloration Notes _____

Finishing ☐ Surface Enrichment ☒ Polished ☐ None ☐ Other

Finishing Notes _____

Decorative details ☐ All cast ☐ Embossed ☐ Incised ☐ Chased ☐ Filigree ☐ Granulation ☐ Punched ☐ Other...

Decorative detail notes

Joinery ☐ All cast ☒ Mechanical ☐ Solder ☒ Other/Unknown

Joinery Notes	Seam visible on all of the beads
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Usewear/toolmarks ☐ Abrasion ☐ Rubbed ☐ Scratches ☐ Burr(s) ☐ Cracking ☐ Incised ☐ Core/Investment ☐ Other

Usewear/toolmarks Notes	
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Pseudomorphs	<input type="checkbox"/> Pseudomorph	<input type="checkbox"/> Organics	<input type="checkbox"/> None	<input type="checkbox"/> Other	Notes
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Analysis rec's ☐ XRF ☐ X-ray radiograph ☐ ESEM-EDS ☐ PIXE ☐ LA-ICPMS ☐ Metallography ☐ Other

Analysis Rec Notes	
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☐ Special ☐ Followup ☐ Re-do ☐ Conservation required ☐ Re-packaging required ☐ Other...

Analysis #1	Type	XRF	Analysis Operator	ACH	Analysis Date	2/1/201		Reliability	
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Location of analysis	See photo or .evt file	Analysis location notes	bead 1
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[illegible]

Analysis #2 Type Analysis Operator Analysis Date Reliability

Location of analysis	See photo or .evt file	Analysis location notes	bead 2
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[illegible]



Pre-Columbian Gold in the Smithsonian Collections

058132.000 Items: 1
Colombia **Acy**

Santa Rosa, 140 Miles Above Port
Hollow Gold Bead

Elements	Cu	Au	Ag	Zn	Cd	As	Ni	Fe	Sn	Sb	Hg	Pb	Bi	Trace	Removed	Results
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Pre-Columbian Gold in the Smithsonian Collections

Object/Catalogue #	058148.000	Owner	NMAI	Count		Curation Location	
Object Class	bead		Object Sub-Class				
Country	Colombia	Province		Area			
Site	Sinu River	Geographic Zone			Style		
Provenience	<input type="checkbox"/> Field Notes <input type="checkbox"/> Accession docs/letters <input type="checkbox"/> Stylistic <input type="checkbox"/> Other...						
Documentation	<input type="checkbox"/> Publication <input type="checkbox"/> Inferred <input type="checkbox"/> None						
Accession #			Name in Records				
Collector			Date Collected				
Donor			Date Accessioned				
Cultural ID			Period				
Catalogue Info						Accession Info	
Research Notes						References	



Examination ☒ Visual ☒ Microscopy ☒ MicroPhoto ☐ Other... Exam Operator ACH Exam date 5/16/2011

Description	Profile: round Cross section: round
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Measurements	2.9mm long, 3mm diam., 0.32mm wide
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Length: Width: Height: Diam.: Thickness Weight:

Condition/Treatment Notes	good.
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Corrosion ☒ None ☐ Green-Surface ☐ Green-Core ☐ Black-Surface ☐ Black-Core ☐ Red-Surface ☐ Red-Core ☐ Other...

Corrosion notes

Primary Fabrication ☐ Cast- Open Back ☐ Cast- Solid ☐ Hammered-Sheathing ☐ Other/Unknown
☐ Cast- Closed Core ☒ Hammered-Sheet ☐ Wire/Rod

Fabrication Notes	
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Material ☐ Copper ☒ Gold Alloy ☐ Organic ☐ Resin ☐ Stone ☐ Shell ☐ Composite ☐ Unknown ☐ Not present ☐ Other

Material Notes	
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Surface Coloration ☐ Coppery ☒ Gold ☐ Reddish ☐ Pinkish ☐ Mixed ☐ Other

Coloration Notes _____

Finishing ☐ Surface Enrichment ☒ Polished ☐ None ☐ Other

Finishing Notes _____

Decorative details ☐ All cast ☐ Embossed ☐ Incised ☐ Chased ☐ Filigree ☐ Granulation ☐ Punched ☐ Other...

Decorative detail notes

Joinery ☐ All cast ☐ Mechanical ☐ Solder ☐ Other/Unknown

Joinery Notes	Joined seam. seam visible and overlap on interior
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Usewear/toolmarks ☐ Abrasion ☐ Rubbed ☐ Scratches ☐ Burr(s) ☐ Cracking ☐ Incised ☐ Core/Investment ☐ Other

Usewear/toolmarks Notes	
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Pseudomorphs	<input type="checkbox"/> Pseudomorph	<input type="checkbox"/> Organics	<input type="checkbox"/> None	<input type="checkbox"/> Other	Notes
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Analysis rec's ☐ XRF ☐ X-ray radiograph ☐ ESEM-EDS ☐ PIXE ☐ LA-ICPMS ☐ Metallography ☐ Other

Analysis Rec Notes	
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☐ Special ☐ Followup ☐ Re-do ☐ Conservation required ☐ Re-packaging required ☐ Other...

Analysis #1	Type	XRF	Analysis Operator	ACH	Analysis Date	2/1/201		Reliability	
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Location of analysis	See photo or .eyt file	Analysis location notes	
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[illegible]

Analysis #2 Type Analysis Operator Analysis Date Reliability

Location of analysis		Analysis location notes	
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[illegible]



Pre-Columbian Gold in the Smithsonian Collections

Object/Catalogue #	077130.00	Owner		Count		Curation Location	
Object Class	Bead	Object Sub-Class					
Country	Colombia	Province	Santa	Area			
Site		Geographic Zone			Style		
Provenience	<input type="checkbox"/> Field Notes <input type="checkbox"/> Accession docs/letters <input type="checkbox"/> Stylistic <input type="checkbox"/> Other...						
Documentation	<input type="checkbox"/> Publication <input type="checkbox"/> Inferred <input type="checkbox"/> None						
Accession #			Name in Records				
Collector			Date Collected				
Donor			Date Accessioned				
Cultural ID			Period				
Catalogue Info						Accession Info	
Research Notes						References	



Examination ☒ Visual ☒ Microscopy ☒ MicroPhoto ☐ Other... Exam Operator ACH Exam date 5/16/2011

Description	Rolled bead
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Measurements	4mm diam. x 10mm long
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Length: 10mm Width: Height: Diam.: 4mm Thickness Weight:

Condition/Treatment Notes	Good. Burial soil encrusted between the walls of the bead
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Corrosion ☒ None ☐ Green-Surface ☐ Green-Core ☐ Black-Surface ☐ Black-Core ☐ Red-Surface ☐ Red-Core ☐ Other...

Corrosion notes	
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Primary Fabrication ☐ Cast- Open Back ☐ Cast- Solid ☐ Hammered-Sheathing ☐ Other/Unknown
☐ Cast- Closed Core ☒ Hammered-Sheet ☐ Wire/Rod

Fabrication Notes	Hammered sheet, cut and rolled
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Material ☐ Copper ☒ Gold Alloy ☐ Organic ☐ Resin ☐ Stone ☐ Shell ☐ Composite ☐ Unknown ☐ Not present ☐ Other

Material Notes

Surface Coloration ☐ Coppery ☒ Gold ☐ Reddish ☐ Pinkish ☐ Mixed ☐ Other

Coloration Notes	
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Finishing ☐ Surface Enrichment ☒ Polished ☐ None ☐ Other

Finishing Notes	
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Decorative details ☐ All cast ☐ Embossed ☐ Incised ☐ Chased ☐ Filigree ☐ Granulation ☐ Punched ☐ Other...

Decorative detail notes	
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Joinery ☐ All cast ☐ Mechanical ☐ Solder ☐ Other/Unknown

Joinery Notes	not joined
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Usewear/toolmarks ☐ Abrasion ☐ Rubbed ☐ Scratches ☐ Burr(s) ☐ Cracking ☐ Incised ☐ Core/Investment ☐ Other

Usewear/toolmarks Notes	
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Pseudomorphs	<input type="checkbox"/> Pseudomorph	<input type="checkbox"/> Organics	<input type="checkbox"/> None	<input type="checkbox"/> Other Notes	
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Analysis rec's ☐ XRF ☐ X-ray radiograph ☐ ESEM-EDS ☐ PIXE ☐ LA-ICPMS ☐ Metallography ☐ Other


Analysis Rec Notes	
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☐ Special ☐ Followup ☐ Re-do ☐ Conservation required ☐ Re-packaging required ☐ Other...

Analysis #1	Type	XRF	Analysis Operator	ACH	Analysis Date	2/1/201		Reliability	
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Location of analysis	See photo or .evt file	Analysis location notes	
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[illegible]

Analysis #2 Type Analysis Operator Analysis Date  Reliability

Location of analysis		Analysis location notes	
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[illegible]



Pre-Columbian Gold in the Smithsonian Collections

Object/Catalogue #	163615.000	Owner	NMAI	Count		Curation Location	
Object Class	Bead		Object Sub-Class				
Country	Colombia	Province	Santa	Area			
Site		Geographic Zone		Style			
Provenience	<input type="checkbox"/> Field Notes <input type="checkbox"/> Accession docs/letters <input type="checkbox"/> Stylistic <input type="checkbox"/> Other...						
Documentation	<input type="checkbox"/> Publication <input type="checkbox"/> Inferred <input type="checkbox"/> None						
Accession #			Name in Records				
Collector			Date Collected				
Donor			Date Accessed				
Cultural ID			Period				
Catalogue Info					Accession Info		
Research Notes					References		

[illegible]



Pre-Columbian Gold in the Smithsonian Collections

Object/Catalogue #	169836.000	Owner	NMAI	Count		Curator Location	
Object Class	Bead	Object Sub-Class					
Country	Peru	Province	Ica	Area			
Site	Nasca	Geographic Zone			Style		
Provenience	<input type="checkbox"/> Field Notes <input type="checkbox"/> Accession docs/letters <input type="checkbox"/> Stylistic <input type="checkbox"/> Other...						
Documentation	<input type="checkbox"/> Publication <input type="checkbox"/> Inferred <input type="checkbox"/> None						
Accession #			Name in Records				
Collector			Date Collected				
Donor			Date Accessed				
Cultural ID			Period				
Catalogue Info						Accession Info	
Research Notes						References	



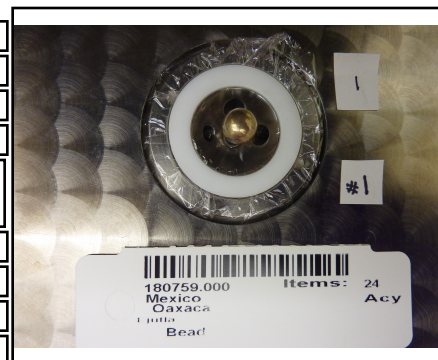
Examination ☒ Visual ☒ Microscopy ☒ MicroPhoto ☐ Other... Exam Operator ACH Exam date 5/13/2011

Results



Pre-Columbian Gold in the Smithsonian Collections

Object/Catalogue #	180759.000	Owner	NMAI	Count		Curation Location	
Object Class	Bead	Object Sub-Class					
Country	Mexico	Province	Oaxaca	Area			
Site		Geographic Zone		Style			
Provenience	<input type="checkbox"/> Field Notes <input type="checkbox"/> Accession docs/letters <input type="checkbox"/> Stylistic <input type="checkbox"/> Other...						
Documentation	<input type="checkbox"/> Publication <input type="checkbox"/> Inferred <input type="checkbox"/> None						
Accession #			Name in Records				
Collector			Date Collected				
Donor			Date Accessed				
Cultural ID			Period				
Catalogue Info						Accession Info	
Research Notes						References	



Examination ☒ Visual ☒ Microscopy ☒ MicroPhoto ☐ Other... Exam Operator ACH Exam date 5/18/2011

Description	24 round beads of different sizes with a light gray fine ceramic/clay (?) substrate and a thin shell of gold on the surface. A hole is drilled through the center.
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Measurements	
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Length: Width: Height: Diam.: Thickness Weight:

Condition/Treatment Notes	Good condition, however there are several losses in the thin gold surface layer and residual polishing compound in the crevices
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Corrosion ☒ None ☐ Green-Surface ☐ Green-Core ☐ Black-Surface ☐ Black-Core ☐ Red-Surface ☐ Red-Core ☐ Other...

Corrosion notes

Primary Fabrication	<input type="checkbox"/> Cast- Open Back	<input type="checkbox"/> Cast- Solid	<input type="checkbox"/> Hammered-Sheathing	<input type="checkbox"/> Other/Unknown
	<input checked="" type="checkbox"/> Cast- Closed Core	<input type="checkbox"/> Hammered-Sheet	<input type="checkbox"/> Wire/Rod	

Fabrication Notes	Light gray core material present and a gold flange from casting is visible towards the interior of some of the beads
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Material ☐ Copper ☒ Gold Alloy ☐ Organic ☐ Resin ☐ Stone ☐ Shell ☐ Composite ☐ Unknown ☐ Not present ☐ Other

Material Notes

Surface Coloration ☐ Coppery ☒ Gold ☐ Reddish ☐ Pinkish ☐ Mixed ☐ Other

Coloration Notes	
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Finishing ☐ Surface Enrichment ☒ Polished ☐ None ☐ Other

Finishing Notes _____

Decorative details ☐ All cast ☐ Embossed ☐ Incised ☐ Chased ☐ Filigree ☐ Granulation ☐ Punched ☐ Other...

Decorative detail notes	
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Joinery ☐ All cast ☐ Mechanical ☐ Solder ☐ Other/Unknown

Joinery Notes	
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Usewear/toolmarks ☐ Abrasion ☐ Rubbed ☐ Scratches ☐ Burr(s) ☐ Cracking ☐ Incised ☐ Core/Investment ☐ Other

Usewear/toolmarks Notes	
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Pseudomorphs	<input type="checkbox"/> Pseudomorph	<input type="checkbox"/> Organics	<input type="checkbox"/> None	<input type="checkbox"/> Other Notes	
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Analysis rec's ☐ XRF ☐ X-ray radiograph ☐ ESEM-EDS ☐ PIXE ☐ LA-ICPMS ☐ Metallography ☐ Other


Analysis Rec Notes	
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☐ Special ☐ Followup ☐ Re-do ☐ Conservation required ☐ Re-packaging required ☐ Other...

Analysis #1	Type	XRF	Analysis Operator	ACH	Analysis Date	2/3/201		Reliability	
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Location of analysis	See photo or .evt file	Analysis location notes	bead 1
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[illegible]

Analysis #2 Type Analysis Operator Analysis Date  Reliability

Location of analysis	See photo or .evt file	Analysis location notes	bead 2
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[illegible]



Pre-Columbian Gold in the Smithsonian Collections

Object/Catalogue #	181706.000	Owner	NMAI	Count		Curator Location	
Object Class	Bead	Object Sub-Class					
Country	Colombia	Province	Magdalena	Area			
Site	Bonda	Geographic Zone			Style		
Provenience	<input type="checkbox"/> Field Notes <input type="checkbox"/> Accession docs/letters <input type="checkbox"/> Stylistic <input type="checkbox"/> Other...						
Documentation	<input type="checkbox"/> Publication <input type="checkbox"/> Inferred <input type="checkbox"/> None						
Accession #			Name in Records				
Collector			Date Collected				
Donor			Date Accessed				
Cultural ID			Period				
Catalogue Info						Accession Info	
Research Notes						References	



Examination ☒ Visual ☒ Microscopy ☒ MicroPhoto ☐ Other... Exam Operator ACH Exam date 5/16/2011

Description	Rolled sheet bead
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Measurements	4.5mm diam.x 17.7mm long
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Length: 17.7 Width: Height: Diam.: 4.5mm Thickness 0.1mm Weight:

Condition/Treatment Notes	Good condition. Burial soil encrusted between ends. Adhesive present at end of rolled sheet
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Corrosion ☒ None ☐ Green-Surface ☐ Green-Core ☐ Black-Surface ☐ Black-Core ☐ Red-Surface ☐ Red-Core ☐ Other...

Corrosion notes	
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Primary Fabrication ☐ Cast- Open Back ☐ Cast- Solid ☐ Hammered-Sheathing ☐ Other/Unknown
☐ Cast- Closed Core ☒ Hammered-Sheet ☐ Wire/Rod

Fabrication Notes	Hammered sheet, cut and rolled
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Material ☐ Copper ☒ Gold Alloy ☐ Organic ☐ Resin ☐ Stone ☐ Shell ☐ Composite ☐ Unknown ☐ Not present ☐ Other

Material Notes	
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Surface Coloration ☐ Coppery ☒ Gold ☐ Reddish ☐ Pinkish ☐ Mixed ☐ Other

Coloration Notes _____

Finishing ☐ Surface Enrichment ☒ Polished ☐ None ☐ Other

Finishing Notes	Highly polished
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Decorative details ☐ All cast ☐ Embossed ☐ Incised ☐ Chased ☐ Filigree ☐ Granulation ☐ Punched ☐ Other...

Decorative detail notes

Joinery ☐ All cast ☐ Mechanical ☐ Solder ☐ Other/Unknown

Joinery Notes	
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Usewear/toolmarks ☐ Abrasion ☐ Rubbed ☐ Scratches ☐ Burr(s) ☐ Cracking ☐ Incised ☐ Core/Investment ☐ Other

Usewear/toolmarks Notes	
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Pseudomorphs	<input type="checkbox"/> Pseudomorph	<input type="checkbox"/> Organics	<input type="checkbox"/> None	<input type="checkbox"/> Other	Notes
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Analysis rec's ☐ XRF ☐ X-ray radiograph ☐ ESEM-EDS ☐ PIXE ☐ LA-ICPMS ☐ Metallography ☐ Other

Analysis Rec Notes	
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☐ Special ☐ Followup ☐ Re-do ☐ Conservation required ☐ Re-packaging required ☐ Other...

Analysis #1	Type	XRF	Analysis Operator	ACH	Analysis Date	2/1/201		Reliability	
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Location of analysis	See photo or .evt file	Analysis location notes	
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[illegible]

Analysis #2 Type Analysis Operator Analysis Date Reliability

Location of analysis		Analysis location notes	
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[illegible]



Pre-Columbian Gold in the Smithsonian Collections

Object/Catalogue #	186585.000	Owner	NMAI	Count		Curation Location	
Object Class	Bead	Object Sub-Class					
Country	Peru	Province	Lambayeque	Area			
Site		Geographic Zone		Style			
Provenience Documentation	<input type="checkbox"/> Field Notes	<input type="checkbox"/> Accession docs/letters	<input type="checkbox"/> Stylistic	<input type="checkbox"/> Other...			
	<input type="checkbox"/> Publication	<input type="checkbox"/> Inferred	<input type="checkbox"/> None				
Accession #		Name in Records					
Collector		Date Collected					
Donor		Date Accessioned					
Cultural ID		Period					
Catalogue Info						Accession Info	
Research Notes						References	



Examination ☒ Visual ☒ Microscopy ☒ MicroPhoto ☐ Other... Exam Operator ACH Exam date 5/25/2011

Description	Three small fish shaped beads
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Measurements	
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Length: Width: Height: Diam.: Thickness Weight:

Condition/Treatment Notes	Good condition. White accretion at center and in crevices
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Corrosion ☒ None ☐ Green-Surface ☐ Green-Core ☐ Black-Surface ☐ Black-Core ☐ Red-Surface ☐ Red-Core ☐ Other...

Corrosion notes

Primary Fabrication ☐ Cast- Open Back ☐ Cast- Solid ☐ Hammered-Sheathing ☐ Other/Unknown
☐ Cast- Closed Core ☒ Hammered-Sheet ☐ Wire/Rod

Fabrication Notes	Appears to be embossed sheet and joined at the edges
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Material ☐ Copper ☒ Gold Alloy ☐ Organic ☐ Resin ☐ Stone ☐ Shell ☐ Composite ☐ Unknown ☐ Not present ☐ Other

Material Notes	
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Surface Coloration ☐ Coppery ☒ Gold ☐ Reddish ☐ Pinkish ☐ Mixed ☐ Other

Coloration Notes _____

Finishing ☐ Surface Enrichment ☒ Polished ☐ None ☐ Other

Finishing Notes _____

Decorative details ☐ All cast ☒ Embossed ☐ Incised ☐ Chased ☐ Filigree ☐ Granulation ☐ Punched ☐ Other...

Decorative detail notes

Joinery ☐ All cast ☐ Mechanical ☒ Solder ☒ Other/Unknown

Joinery Notes	rough texture at edges with evidence of finishing. Possibly soldered
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Usewear/toolmarks ☐ Abrasion ☐ Rubbed ☒ Scratches ☐ Burr(s) ☐ Cracking ☐ Incised ☐ Core/Investment ☐ Other

Usewear/toolmarks Notes	Scratches along edges from finishing methods
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Pseudomorphs ☐ Pseudomorph ☐ Organics ☐ None ☐ Other Notes

Analysis rec's ☐ XRF ☐ X-ray radiograph ☐ ESEM-EDS ☐ PIXE ☐ LA-ICPMS ☐ Metallography ☐ Other

Analysis Rec Notes	
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☐ Special ☐ Followup ☐ Re-do ☐ Conservation required ☐ Re-packaging required ☐ Other...

Analysis #1	Type	XRF	Analysis Operator	ACH	Analysis Date	2/15/20		Reliability	
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Location of analysis	See photo or .evt file	Analysis location notes	bead 1
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[illegible]

Analysis #2 Type Analysis Operator Analysis Date Reliability

Location of analysis	See photo or .evt file	Analysis location notes	bead 2
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[illegible]

