

*Real time link between  
field recording and publication:  
Digital archaeology  
at ancient Urkesh in modern Syria*

# **Integration of typological analysis**

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**Distribution by area of sherds  
from service wing of Palace AP  
and from higher levels**

	count			percentage	
	body	shape	total	body	shape
A1	11,336	3,103	14,439	79%	21%
A2	188		188	100%	
A3	127		127	100%	
A5	26,891	3,761	30,652	88%	12%
A6	11,476	3,928	15,404	75%	25%
A7	14,633	3,295	17,928	82%	18%
A8	6,128	23	6,151	100%	
A9	6,987	2,122	9,109	77%	23%
A10	6,065	2,400	8,465	72%	28%
A11	4,188		4,188	100%	
A12	7,604	39	7,643	99%	1%
AL	40	38	78	51%	49%
AS	5,701	4,017	9,718	59%	41%
	<b>101,364</b>	<b>22,726</b>	<b>124,090</b>	<b>82%</b>	<b>18%</b>

# Sherds from the Service Wing of Palace AP and from levels above the Palace

Grand total: 124,090

Total from living floor accumulations: 18,655

Total from four major strata: 16,591

Total from four most popular wares: 13,094

Yellow highlights decreasing, and blue increasing, trends

<i>stratum</i>	<i>ware</i>	<i>% of ware within stratum</i>	<i>tot of ware within stratum</i>	<i>sherds within stratum</i>
	<b>S</b>			
AAsA10a		3%	27	1024
AAsA14a		12%	221	1911
AAsA15a		11%	228	2038
AAsA17a		17%	1927	11618
			<b>2403</b>	<b>16591</b>
	<b>BR</b>			
AAsA10a			3	1024
AAsA14a		2%	35	1911
AAsA15a		3%	64	2038
AAsA17a		7%	863	11618
			<b>965</b>	<b>16591</b>
	<b>FC</b>			
AAsA10a		16%	160	1024
AAsA14a		15%	294	1911
AAsA15a		20%	415	2038
AAsA17a		18%	2108	11618
			<b>2977</b>	<b>16591</b>
			<b>6345</b>	
	<b>CH</b>			
AAsA10a		57%	579	1024
AAsA14a		40%	766	1911
AAsA15a		41%	835	2038
AAsA17a		39%	4569	11618
			<b>6749</b>	<b>16591</b>

# **1. Special ceramic roster and lexicon**



## Mozan/Urkesh Decoration Types: Appliqué, Stamped, Incised

موزان/اوركش أنواع التزيين: إضافة، طبع، حز

### Appliqué (and Pinched)

### التزيين باللصق (وبالضغط)

Type A1	Rope, 1 line	زينة الحبل، خط واحد
Type A2	Rope, 2 lines	زينة الحبل، خطين
Type A3	Rope, 3 lines	زينة الحبل، 3 خطوط
Type A4	Combined rope and combed decoration	الجمع بين زينة الحبل والزينة بحزوز المشط
Type A5	Snake	الثعبان
Type A6	Scorpion	العقرب
Type A7	Snake and scorpion	الثعبان والعقرب
Type A8	Snake, scorpion and combed decoration	الثعبان والعقرب مع الزينة بحزوز المشط

### Stamped

### التزيين

#### بالطبع

Type S1	Concentric circles	دوائر متداخلة
Type S2	Half circles	أنصاف دوائر
Type S3	"Wheat" pattern	شكل "السنبله"

### Incised (includes combed and template decoration) (تتضمن الحز المشط أو بأداة)

#### أحادية الطرف

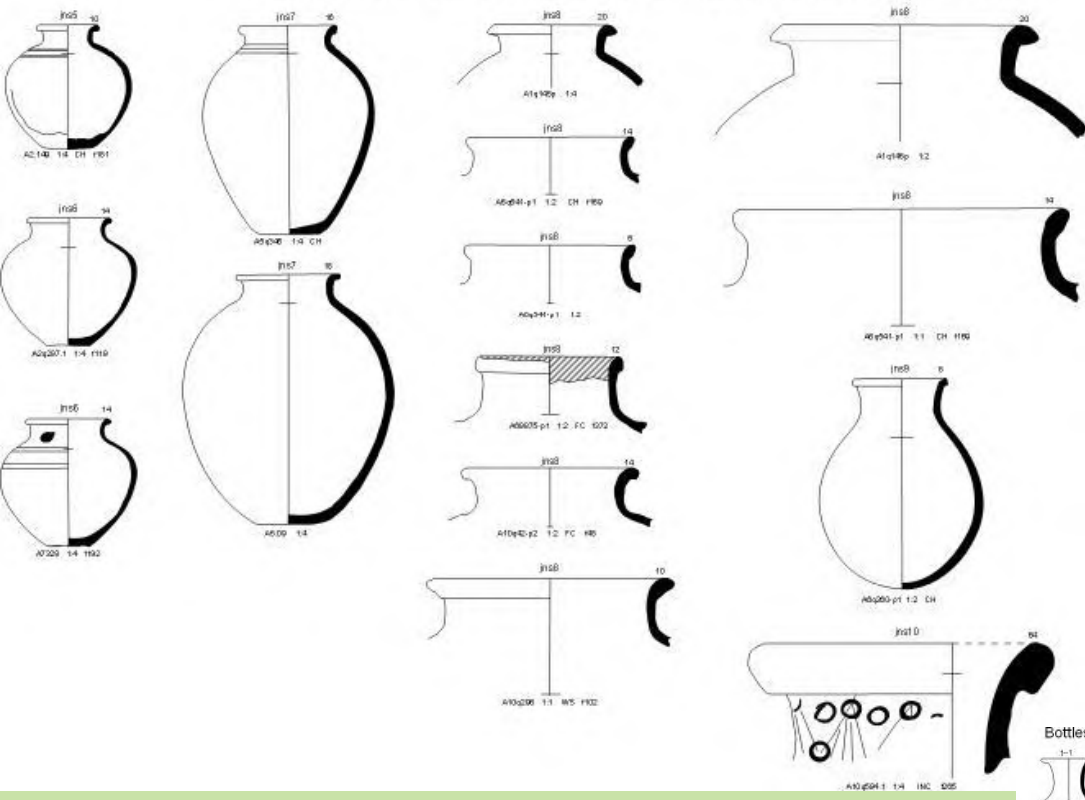
Type I1	Horizontal lines	خطوط أفقية
Type I2	Wavy lines	خطوط متموجة
Type I3	Wavy lines between horizontal lines	خطوط متموجة ومحصورة بين خطوط أفقية
Type I4	Parallel lines alternatig with dotted lines made with the comb end	خطوط متوازية متعاقبة مع خطوط منقطة منفذة بطرف سنون المشط
Type I5	Running Xs between horizontal combed lines	علامة X متتالية ومحصورة بين خطوط حز المشط الأفقي
Type I6	Running triangles between horizontal combed lines	مثلثات متعاقبة ومحصورة بين خطوط حزوز المشط
Type I7	Template line(s)	خط أو خطوط محزوزة
Type I8	Animal(s)	حيوان أو حيوانات
Type I9	Potter's mark	علامات (توقيع) الصانع

### Mozan/Urkesh Decoration Types: Bitumen Decoration and Treatment

موزان/اوركش أنواع التزيين: الزينة والمعالجة بالزفت

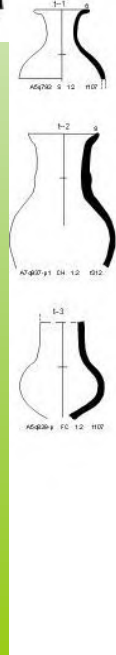
Type B1	Neck	عنق
Type B2	Rim	شفة
Type B3	Neck and rim	عنق وشفة
Type B4	Amorphous design on body	تصميم مبهم المعالم على البدن
Type B5	Large dots on shoulder or upper body	نقاط كبيرة على الكتف أو على البدن
Type B6	Bitumen repair	تصليح (ترميم) بالزفت

lexicon  
for decoration  
types

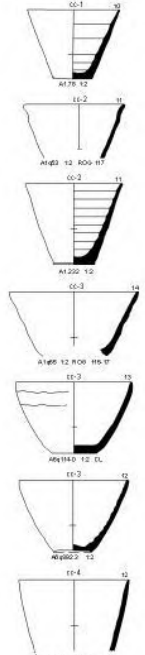


lexicon  
for shape  
types –  
analogical

Bottles



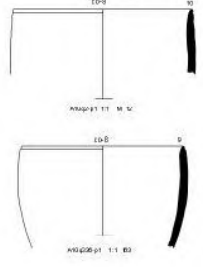
Conical Cups



Other Cups



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# Urkesh Ceramic Analysis System: Shape Catalog

**lexicon  
for decoration  
types –  
descriptive**

Basic Shape	Family	Sub-Family	Shape Code	Type	Rim Types	w1	h1	Base	Description
Bowls	Deep Bowls	—	db						
				db-1	sq, ro	12-16	10-12	?	Straight sided on the exterior just below the rim, can have horseshoe-shaped tab handles. These handles can also be rectangular at the point of attachment to the vessel with the tab portion coming to a slight point.
				db-2	et, ro	26	15	?	Curving profile, slight ledge on the interior of the rim, flat base with hole in the center, template lines or template lines combined with combed incised wavy and straight line decoration above the widest part of the body.
				db-3	ri	24-27	7-10	?	Rim ribbed on top and an exterior rib just above the widest part of the vessel.
				db-4	sq	10-12	10?	?	Shape similar to db-1 but with the horseshoe-shaped lugs on the interior.
				db-5	ro	44	35	bf (wide)	Large straight sided bowl, rope (or other?) decoration below the rim.
				db-6	et	30	15-20	?	Large bowl with depression below the rim (almost as if a short neck) ending in a sharp angle after which the body wall is straight.
	Straight-sided Bowls	—	ssb						
				ssb-1	pr	14	7-10	?	Two or three lugs on the exterior, base unknown. Cooking vessels made in P ware.
				ssb-2	ro	17	10	?	Not as deep as ssb-1 but does have lugs on the exterior.
				ssb-3	f	24	18	?	Slightly curved body wall



# lexicon for primary functional categories

- **Standards for Determining Functional Categories**

- معايير تحديد الفئات الوظيفية

- Functional Categories:

- الفئات الوظيفية:

- FN1 Closed form, can be held in one hand, contents can only be poured out. Rim diameter smaller than 10cm. Short term storage (probably for liquids)

- تشكيل مغلق، يمكن حملها بيد واحدة، لا يمكن إفراغ المحتوى إلا بصبه منها. قطر الفوهة أقل من 10سم.

- FN2 Closed form, can be held in one hand, contents can be poured or scooped out. Rim diameter 10-14cm. Short term storage for dry or liquid storage. Larger diameter vessels for dry only.

- تشكيل مغلق، يمكن حملها بيد واحدة، يمكن إفراغ المحتوى بصبه أو غرفه منها. قطر الفوهة 10-14سم.

- FN3 Closed form, can be held in two hands, contents can only be poured out, i.e. narrow necked jar. Rim diameter smaller than 10cm. Short term liquid storage.

- تشكيل مغلق، لابد من حملها باليدين معاً، لا يمكن إفراغ المحتوى إلا بصبه منها. مثلها الجرار ذات العنق الضيق. قطر الفوهة 10-14سم.

- FN4 Closed form, can be held in two hands, contents can only be poured or scooped out. Rim diameter smaller than 15-20cm. Short term dry storage.

- تشكيل مغلق، لابد من حملها باليدين معاً، يمكن إفراغ المحتوى بصبه أو غرفه منها. مثلها الجرار ذات العنق الضيق. قطر الفوهة 15-20سم.

- FN5 Closed or Open form, vessels can not easily be moved, contents can only be scooped out. Rim diameter for closed forms, greater than 20cm. Rim diameter for open forms greater than 30cm. Long term dry storage.

- تشكيل مغلق أو مفتوح، يصعب نقل الإناء من مكانه، لا يمكن إفراغ المحتوى إلا بغرفته منها. قطر الفوهة للتشكيل المغلق أكبر من 20سم، وقطر الفوهة للتشكيل المفتوح أكبر من 30سم.

- FN6 Open form, can be held in one hand, contents can only be poured out. Rim diameter smaller than 10cm. Drinking and eating.

- تشكيل مفتوح، يمكن حملها بيد واحدة، لا يمكن إفراغ المحتوى إلا بصبه منها. قطر الفوهة أقل من 10سم.

- FN7 Open form, can be held in one hand, contents can be poured or scooped out. Rim diameter 10-14cm. Eating.

- تشكيل مفتوح، يمكن حملها بيد واحدة، يمكن إفراغ المحتوى بصبه أو غرفه منها. قطر الفوهة 10-14سم.

- FN8 Open form, can be held in two hands, contents can only be scooped out. Rim diameter 15-30cm. Serving.

- تشكيل مفتوح، لابد من حملها باليدين معاً، لا يمكن إفراغ المحتوى إلا بغرفته منها. قطر الفوهة 15-30سم.

## lexicon for variations in ware definition

### Inclusion Type

1. vegetal: chaff
2. calcite
3. quartz (large grains)
4. sand (fine grains)
5. mica
6. red iron ore (bright orange)
7. black iron ore (black)

### أنواع الشوائب المحتواة في خلطة الطينة

1. نباتية: تبن
2. كلس
3. حجر اللوارتز (حبيبات كبيرة)
4. رمل (حبيبات ناعمة)
5. ميكة (حبيبات شبه زجاجية)
6. خام حديد احمر (برتقالي فاتح)
7. خام حديد اسود (اسود)

### Inclusion Frequency

1. abundant (almost no space between, 70-90%)
2. moderate (little space between, 40-70%)
3. sparse (much space between, 10-40%)

### نسبة الشوائب المحتواة في خلطة الطينة

1. كثيفة (تقريباً لا فراغات بينها، 70-90%)
2. متوسطة (فراغات بسيطة بينها، 40-70%)
3. مبعثرة (فراغات كبيرة بينها، 10-40%)

### Firing

1. low
2. medium
3. high
4. overfired

### درجة الحرق

1. درجة حرارة منخفضة
2. درجة حرارة متوسطة
3. درجة حرارة عالية
4. محروقة (تعرضت لدرجة حرارة عالية جداً أو تركت في الفرن مدة أطول من اللازم)

### Fracture

1. sharp, jagged
2. smooth
3. rounded
4. laminated

### نوع الكسر

1. حاد
2. ناعم
3. دائري
4. صفائح متطابقة

### Surface Treatment

1. plant wiped
2. strong wheel marks
3. smoothed
4. burnished
5. polished
6. all-over slip
7. exterior slip only
8. interior slip

### معالجة السطح

1. ممسوح بأوراق نباتية
2. تظهر عليه علامات الدوالب (عجلة الفخار)
3. مئعم
4. مصقول
5. ملمع
6. مئروب بالكامل
7. مئروب من الخارج فقط
8. مئروب من الداخل فقط

### Forming Techniques

1. wheel made
2. handmade
3. coiled
4. part wheelmade, part handmade

### تقنية الصنع (التشكيل)

1. مصنوع بالعجلة (الدول)
2. مصنوع بالتشكيل ال
3. مصنوع بطريقة طي (لف) صغيرة طينية
4. جزء مصنوع بالعجلة وجزء مصنوع بالتشكيل اليدوي

# Data entry form

تحليل الكسر الفخارية الدالة على الشكل Q902 - Combined Sherd Analysis ;Urkesh/Mozan 2006																															
التكوين Stratigraphy					Ware, Shape, Decoration										Measure			Ware Variations										Function	notes		
:Rec		:rd	:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt
:rd		:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt	
:rd		:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt	
:rd		:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt	
:rd		:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt	
:rd		:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt	
:rd		:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt	
:rd		:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt	
:rd		:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt	
:rd		:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt	
:rd		:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt	
:rd		:ri	:bk	:q#	:cp	:F2	:ZcaA	:wm	:sh	:ZcaS1	:ZcaS2	:ZcaS3	:ZcaS4	:ZcaD1	:ZcaD2	:qc	:w1	:w2	:ZcaM1	:th	:ZcaC2	:ZcaC4	:ZcaW5	:ZcaW6	:ZcaW7	:ZcaW8	:ZcaW3	:ZcaS9	:ZcaF1	:nt	

- 1. Special ceramic roster and lexicon**
- 2. Integration into Global Record**

stratigraphy



# A16q345-p1

File: \MZ\A\A16\D\QP\034501.HTM  
Processed on 02-21-2007  
The home for this page is [A16](#)

B4.ReferenceToQlot

## Designation/Count

B20.Qty:Comp 2001-7-23  1 [Input file: A16PQZ04.J]

## Volumetric localization

D10.MethodOfMeasurement 2001-7-23  Note on w1: interior [Input file: A16PQZ04.J]

## Time sequencing

I1.Stratum	2007-2-20		s9b-AAC-AAC [Input file: S-CUMUL.J]
I3.Phase to which stratum belongs	2007-2-20		h5c-AAC-AAC [Input file: S-CUMUL.J]

## Measurements

J3.TopWidth 2001-7-23  file: A16PQZ04.J

roster

## Descriptive

K3.Ware/Material	2001-7-23	<input type="text" value="hH"/>	Finer Red-Orange Calcite Tempered [Input file: A16PQZ04.J]
K4.ShapeForm	2001-7-23	<input type="text" value="hH"/>	jar [Input file: A16PQZ04.J]

lexicon

## Analogical record



## Global Record

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## A16 Constituents

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- [p plots](#)
- [q lots](#)
- [qb bones](#)
- [qi q-items](#)
- [qp sherds](#)
- [r relays](#)
- [s strata](#)
- [v view photos](#)
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## A16 Items

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- [i2](#)
- [i3](#)
- [i4](#)
- [i5](#)
- [i6](#)
- [i7](#)
- [i8](#)
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# A16q345

File: \MZ\A\A16\D\Q\0345.HTM

Processed on 02-21-2007

The home for this page is [A16](#)Designation/Count

<a href="#">B10.Definition</a>	2001-7-22	IR	<a href="#">pottery</a> [Input file: -MX12-99.J]
<a href="#">B21.ListCome</a>	2001-7-23	hH	<a href="#">q345-p1</a> [Input file: A16PQZ04.J]
	2001-7-23	hH	<a href="#">q345-p2</a> [Input file: A16PQZ04.J]
	2001-7-23	hH	<a href="#">q345-p3</a> [Input file: A16PQZ04.J]
	2001-7-23	aP	<a href="#">q345-p4</a> [Input file: A16PQZ04.J]
	2001-7-23	aP	<a href="#">q345-p5</a> [Input file: A16PQZ04.J]
	2001-7-23	aP	<a href="#">q345-p6</a> [Input file: A16PQZ04.J]
	2001-7-23	aP	<a href="#">q345-p7</a> [Input file: A16PQZ04.J]
	2001-7-23	aP	<a href="#">q345-p8</a> [Input file: A16PQZ04.J]
	2001-7-23	aP	<a href="#">q345-p9</a> [Input file: A16PQZ04.J]
	2001-7-23	aP	<a href="#">q345-p10</a> [Input file: A16PQZ04.J]

Volumetric localization

<a href="#">D1.Locus</a>	2001-7-22	IR	<a href="#">k3</a> [Input file: -MX12-99.J]
<a href="#">D3.Relays</a>	2001-7-22	IR	<a href="#">m2739: 100E, 50S</a> [Input file: -MX12-99.J]
<a href="#">D6.Elevation</a>	2001-7-22	IR	<a href="#">8869 @top - 20 @bottom</a> [Input file: -MX12-99.J]

Contact association

<a href="#">F2.TypeContact</a>	<a href="#">sits in &gt;<a href="#">f131</a></a> [2001-7-22 - IR - Input file: -MX12-99.J]
--------------------------------	--

Time sequencing

<a href="#">I1.Stratum</a>	2007-2-20	!!	<a href="#">s9b-AAC-AAC</a> [Input file: S-CUMUL.J]
<a href="#">I3.Phase to which stratum belongs</a>	2007-2-20	!!	<a href="#">h5c-AAC-AAC</a> [Input file: S-CUMUL.J]

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# stratigraphy



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B4.ReferenceToQlot	q345
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### Designation/Count

B20.Qty:Comp	2001-7-23	hH	1 [Input file: A16PQZ04.J]
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### Volumetric localization

D10.MethodOfMeasurement	2001-7-23	hH	Note on w1: interior [Input file: A16PQZ04.J]
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### Time sequencing

I1.Stratum	2007-2-20		s9b-AAC-AAC [Input file: S-CUMUL.J]
I3.Phase to which stratum belongs	2007-2-20		h5c-AAC-AAC [Input file: S-CUMUL.J]

### Measurements

J3.TopWidth	2001-7-23	hH	14 [Input file: A16PQZ04.J]
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### Descriptive

K3.Ware/Material	2001-7-23	hH	Finer Red-Orange Calcite Tempered [Input file: A16PQZ04.J]
K4.ShapeForm	2001-7-23	hH	jar [Input file: A16PQZ04.J]

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L\_V14d4508  
L717 gG



L\_V14d4510  
L717 gG



L\_V14d4509  
L717 gG

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L\_V14d4511  
L717 gG

**Special roster: ceramic analysis (Zca)**

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ZcaA1.typological host 2001-7-23 [hH](#) [Khābūr](#) [Input file: A16PQZ04.J]

[Details of decoration](#)

ZcaD1.Technique	2001-7-23	<a href="#">hH</a>	<a href="#">painted</a> [Input file: A16PQZ04.J]
ZcaD2.Type	2001-7-23	<a href="#">hH</a>	<a href="#">hatched and striped triangles below solid lines; groups of diagonal lines on rim</a> [Input file: A16PQZ04.J]

[details of shape](#)

ZcaS1.family	2001-7-23	<a href="#">hH</a>	<a href="#">jar</a> [Input file: A16PQZ04.J]
ZcaS2.sub-family	2001-7-23	<a href="#">hH</a>	<a href="#">straight sided</a> [Input file: A16PQZ04.J]

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B4.ReferenceToQlot

### Designation/Count

B20.Qty:Comp 2001-7-23  1 [Input file: A16PQZ04.J]

### Volumetric localization

D10.MethodOfMeasurement 2001-7-23  Note on w1: interior [Input file: A16PQZ04.J]

### Time sequencing

I1.Stratum 2007-2-20  s9b-AAC-AAC [Input file: S-CUMUL.J]

I3.Phase to which stratum belongs 2007-2-20  h5c-AAC-AAC [Input file: S-CUMUL.J]

### Measurements

J3.TopWidth 2001-7-23  14 [Input file: A16PQZ04.J]

### Descriptive

K3.Ware/Material 2001-7-23  **Finer Red-Orange Calcite Tempered** [Input file: A16PQZ04.J]

K4.Shape/Form 2001-7-23  jar [Input file: A16PQZ04.J]

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# Ceramic ware description Red Orange Calcite Tempered (RC)

April 2006 - Marilyn Kelly-Buccellati

[Chaff Tempered overall](#)

## Examples



A16q731

## Description

- Basis for definition: common in Phases 3 and 4 of Area AA. Becomes common in late third millennium strata and continues into the early second millennium. Conical cups, made in the mid third millennium in Simple and FC ware change gradually within Phase 2 to be made in RC1 ware.
- Identifying attributes: much calcite temper (some of it large), red-orange to light orange clay
- Surface color: red-orange, light orange, to tan
- Paste color: tan to light orange
- Temper: much calcite both on surface and in section, some mica temper and sand. Larger vessels have chaff temper. This ware is included in the Chaff Temper Group because of the chaff temper found in many of the vessels. It is distinguished from CH ware by the large amount of calcite temper and the red firing clay.
- Firing: medium to high
- Firing cloud: none
- Carbon core: none, but many lighter in central portion of the section than on the exterior of the section or visa versa, i.e. sandwich appearance of the sections
- Wall Thickness: 5mm-2cm
- Forms: open bowls, small bowls, medium jars and rarely large jars. In later third millennium examples conical cups and small open bowls made in this ware become frequent and continue into the early second millennium. Jars including medium to large jars.
- Surface Treatment: rough to somewhat wet smoothed
- Decoration: none

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# Ceramic ware description

## Red Orange Calcite Tempered (RC)

April 2006 - Marilyn Kelly-Buccellati

[Chaff Tempered overall](#)

### Examples



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### Description

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# Ceramic ware description

## Red Orange Calcite Tempered (RC)

April 2006 - Marilyn Kelly-Buccellati

[Chaff Tempered overall](#)

### Examples



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# Frequency Computations

## Ceramic vessels and sherds in order of frequency by ware

Processed on 02-21-2007

Note. Included in this category are ceramic vessels, whether complete objects or sherds, and whether [items](#) or [q-items](#).

Count	Grand total	Percentage	Ware
44169	Grand total		
24280	55 %		<a href="#">Chaff Tempered</a>
5607	13 %		<a href="#">Fine Chaff</a>
4769	11 %		<a href="#">Finer Red-Orange Calcite Tempered</a>
3798	9 %		<a href="#">Red Orange Calcite Tempered</a>
3220	7 %		<a href="#">Pebble Tempered</a>
742	2 %		<a href="#">Wet Smoothed</a>
441	1 %		<a href="#">Khabur</a>
249	1 %		<a href="#">Simple</a>
178	0 %		<a href="#">Dark Red Burnished</a>
155	0 %		<a href="#">Metallic</a>
141	0 %		<a href="#">Imitation Metallic</a>
137	0 %		<a href="#">Rough</a>
105	0 %		<a href="#">RC3</a>
84	0 %		<a href="#">H?</a>
67	0 %		<a href="#">Fine Pebble Tempered</a>
61	0 %		<a href="#">Gray</a>
50	0 %		<a href="#">INC</a>
32	0 %		<a href="#">Bi-Colored</a>
5	0 %		<a href="#">Ninevite V</a>

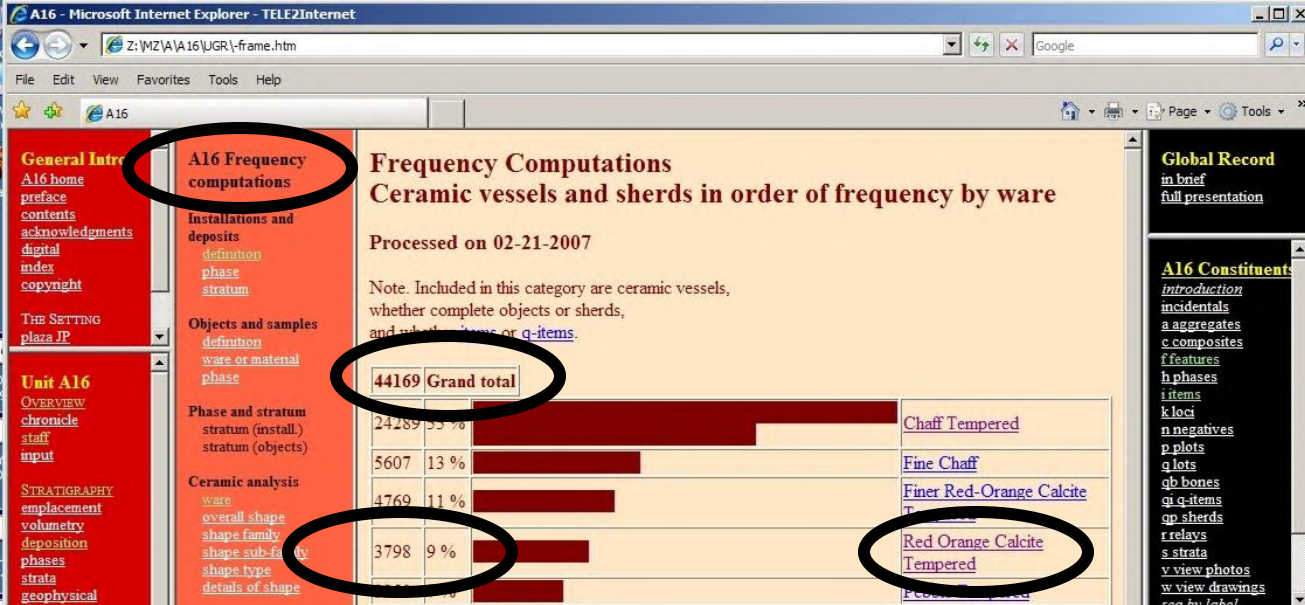
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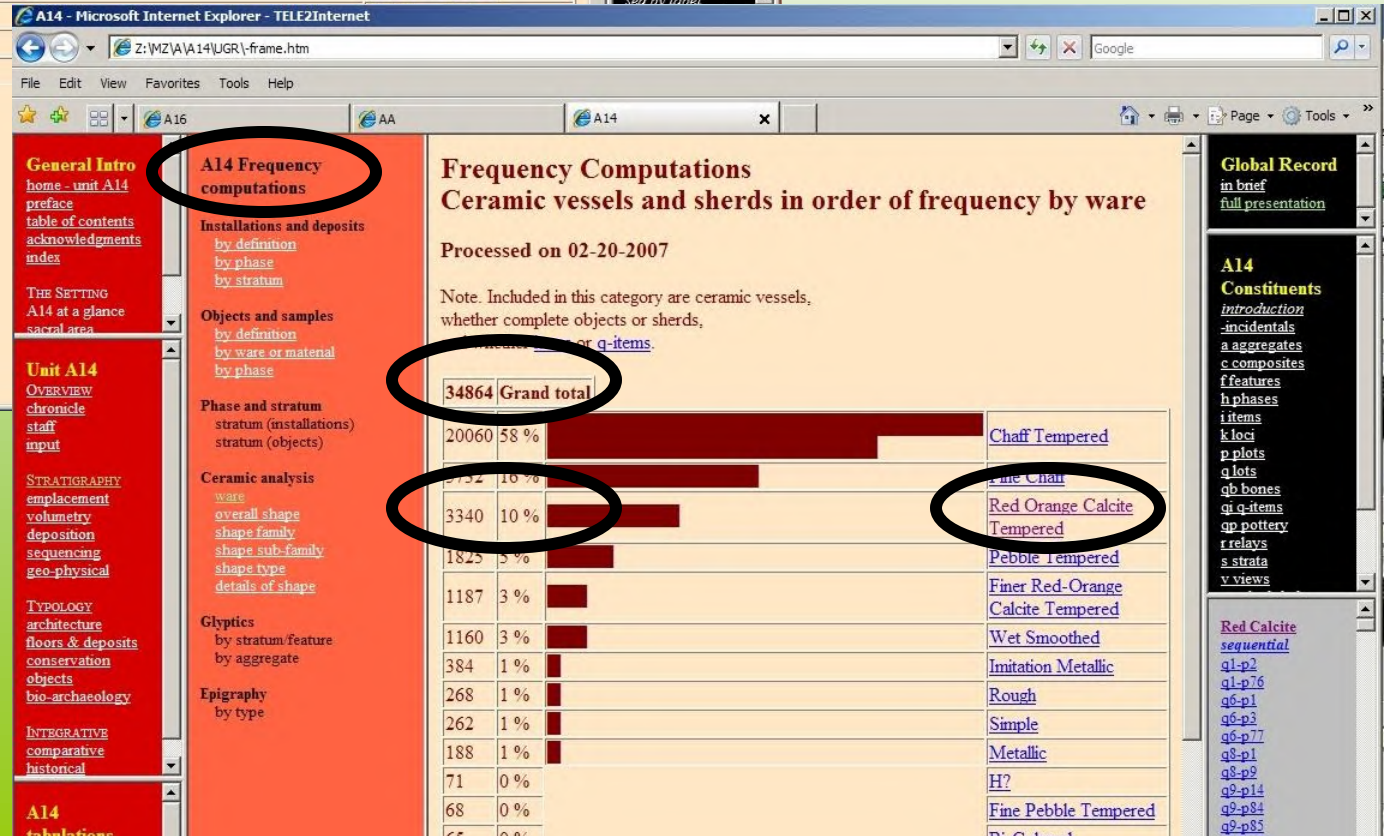
[q858-p71](#)  
[q860-p3](#)  
[q860-p7](#)  
[q860-p10](#)  
[q860-p11](#)  
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[q881-p3](#)  
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[q881-p13](#)  
[q881-p14](#)  
[q881-p75](#)  
[q885-p71](#)  
[q896-p3](#)  
[q896-p71](#)

Elements: 1556  
 Components: 3798



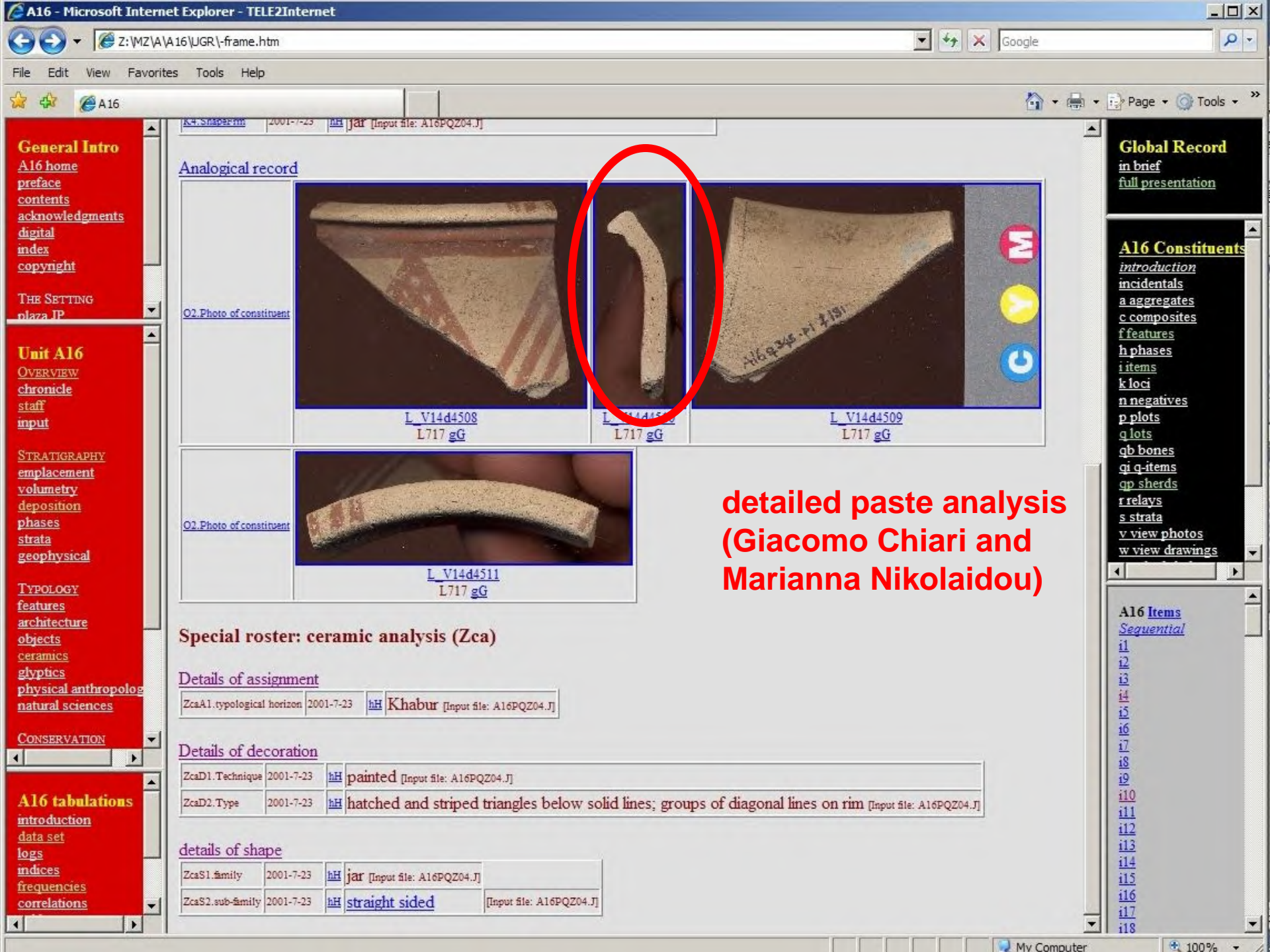


comparison  
between  
excavation units



- 1. Special ceramic roster and lexicon**
- 2. Integration into Global Record**
- 3. Statistics**
- 4. Future special rosters**





[K.C. STRATIGRAPHY](#) | 2001-7-23 | [hH](#) jar [Input file: A16PQZ04.J]

### Analogical record



[O2.Photo of constituent](#)

[O2.Photo of constituent](#)



[L\\_V14d4511](#)  
L717 gG

### Special roster: ceramic analysis (Zca)

#### Details of assignment

ZcaA1.typological horizon | 2001-7-23 | [hH](#) Khabur [Input file: A16PQZ04.J]

#### Details of decoration

ZcaD1.Technique | 2001-7-23 | [hH](#) painted [Input file: A16PQZ04.J]

ZcaD2.Type | 2001-7-23 | [hH](#) hatched and striped triangles below solid lines; groups of diagonal lines on rim [Input file: A16PQZ04.J]

#### details of shape

ZcaS1.family | 2001-7-23 | [hH](#) jar [Input file: A16PQZ04.J]

ZcaS2.sub-family | 2001-7-23 | [hH](#) straight sided [Input file: A16PQZ04.J]

**detailed paste analysis  
(Giacomo Chiari and  
Marianna Nikolaidou)**

### Global Record in brief full presentation

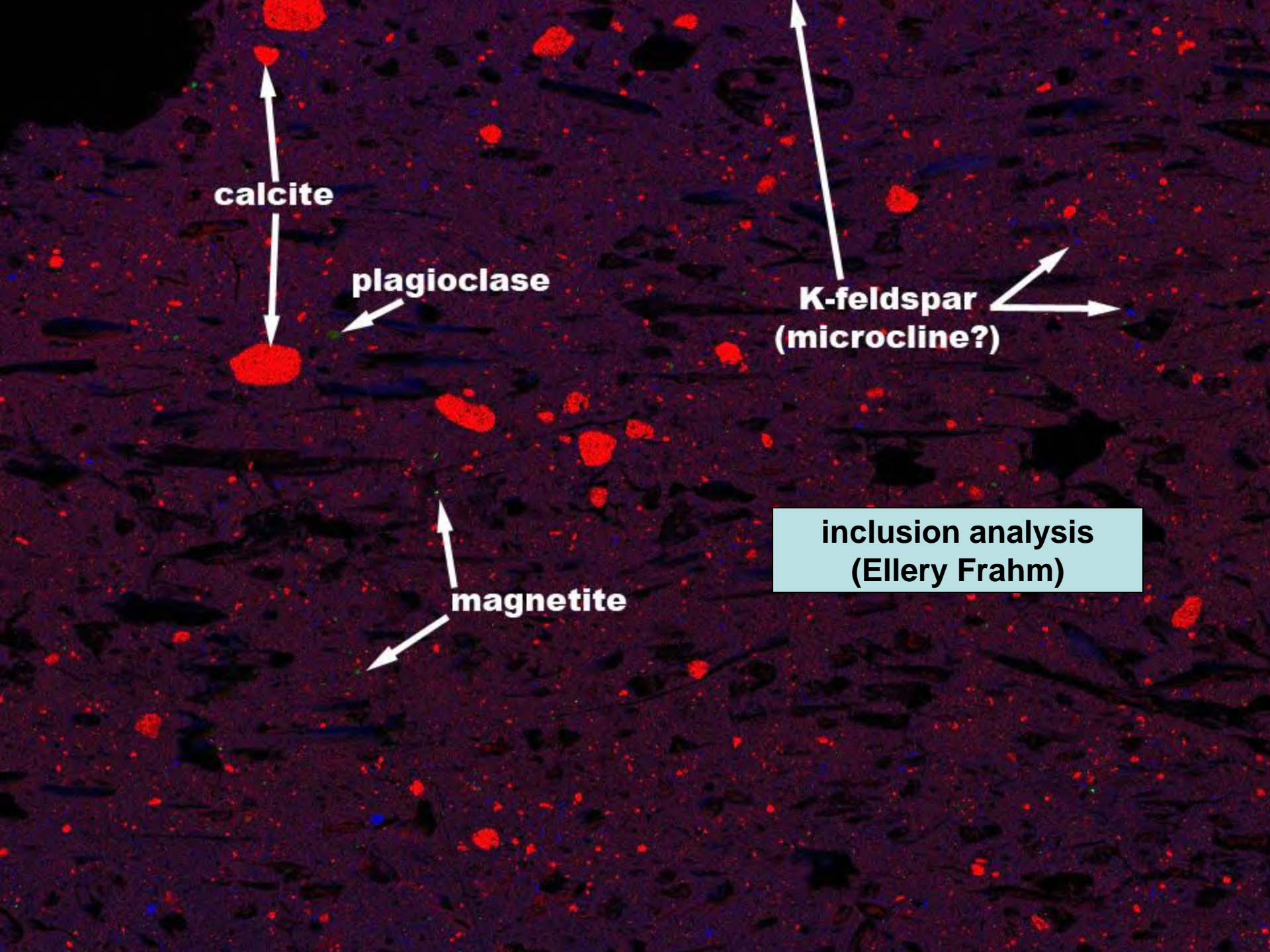
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### A16 Items

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- [i14](#)
- [i15](#)
- [i16](#)
- [i17](#)
- [i18](#)





**calcite**

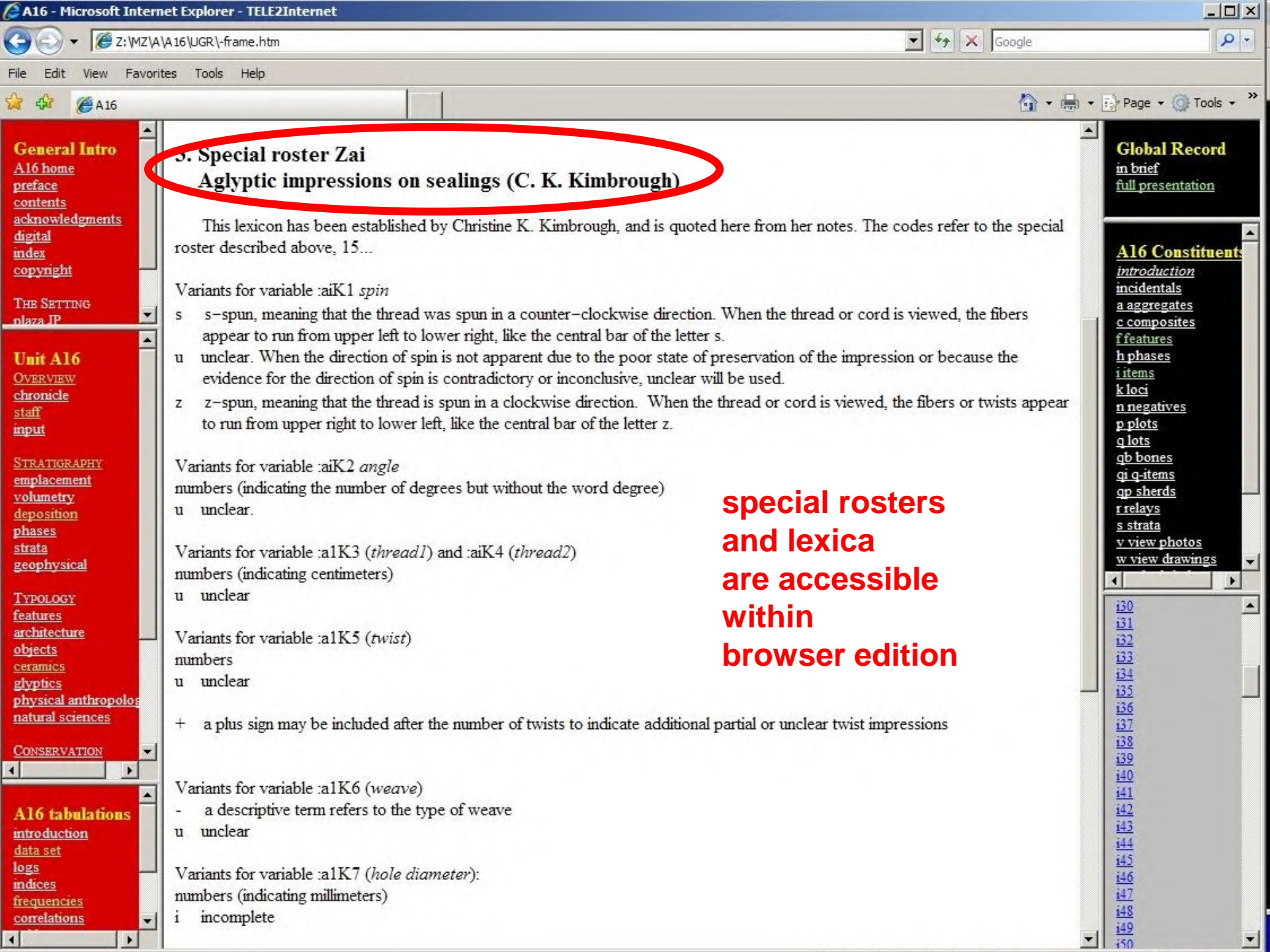
**plagioclase**

**K-feldspar  
(microcline?)**

**magnetite**

**inclusion analysis  
(Ellery Frahm)**





### 3. Special roster Zai Aglyptic impressions on sealings (C. K. Kimbrough)

This lexicon has been established by Christine K. Kimbrough, and is quoted here from her notes. The codes refer to the special roster described above, 15...

Variants for variable :aiK1 *spin*

- s s-spun, meaning that the thread was spun in a counter-clockwise direction. When the thread or cord is viewed, the fibers appear to run from upper left to lower right, like the central bar of the letter s.
- u unclear. When the direction of spin is not apparent due to the poor state of preservation of the impression or because the evidence for the direction of spin is contradictory or inconclusive, unclear will be used.
- z z-spun, meaning that the thread is spun in a clockwise direction. When the thread or cord is viewed, the fibers or twists appear to run from upper right to lower left, like the central bar of the letter z.

Variants for variable :aiK2 *angle*

- numbers (indicating the number of degrees but without the word degree)
- u unclear.

Variants for variable :a1K3 (*thread1*) and :aiK4 (*thread2*)

- numbers (indicating centimeters)
- u unclear

Variants for variable :a1K5 (*twist*)

- numbers
- u unclear

+ a plus sign may be included after the number of twists to indicate additional partial or unclear twist impressions

Variants for variable :a1K6 (*weave*)

- a descriptive term refers to the type of weave
- u unclear

Variants for variable :a1K7 (*hole diameter*):

- numbers (indicating millimeters)
- i incomplete

special rosters  
and lexica  
are accessible  
within  
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- 1. Special ceramic roster and lexicon**
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- 5. Glyptic special roster**

## text type input for seal impressions

i A16.108

f 294

j2 3.3cm

j3 2.9cm

j7 1.1cm

co 10YR7/3

c# Very Pale Brown

wm gray, granular clay with some pebble inclusions, consistency of clay such that impression is clear even if lightly rolled

de typical container sealing that is at one end, traces of at least two and possibly three cord impressions, the widest part at the base is slightly curved on one side and is of very thin clay, inside this part are cloth impressions. Upper part of front surface undulating but not clear the reason for this

is bearded figure of Shamash wearing a crown, facing right, the one preserved arm held at waist level, the end of a diagonal element as if a staff below the hand, bearded deity with horned crown seated facing left holding an unclear object? stool decorated with square patterns and continues under the feet of the god as an attached foot rest, faint rays above his right shoulder (identifying the deity as Shamash), vertical single case inscription box, smaller figure facing right wearing a cap with striations (or can be interpreted as hair).

st typical Naram Sin or later presentation or adoration scene, the figure on the far right may have been added later as it is smaller and has a nose carved in a v shape which is typical for Post Imperial Akkadian seals. This figure is facing right and therefore would be facing the deity.

i A16.117

f 292

j2 2.5

j3 4.0

j7 1.3



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# A16.108

File: \MZ\A\A16\D\T0108.HTM  
Processed on 03-14-2004

## Designation/Count

B10.Defin	<a href="#">seal impression</a> - [M911-lr]
B11.TxtDescr	one large fragment of a seal impression - [M911-sb]
B11.TxtDescr	Seal impression with a seated figure visible. Sent to conservation for cleaning. - [M920-lr]
B11.TxtDescr	typical container sealing that is triangular in section, possibly three cord impressions, the widest part at the base is slight, this part are cloth impressions. Upper part of front surface undulat

**text description from glyptic specialist**



**graphic description from draftsman**

## Volumetric localization

D01.Locus	2002-9-11	IF	k207
D3.Relays	2002-9-11	IF	356 (41 52 3

**stratigraphic details from excavator**

## Contact association

702.TypCnct	sits in > 94 - [M911-lr]
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[i97](#)  
[i95](#)  
[i96](#)  
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Analogical record

003. Drawings

W15d4611 [M924 - 6x2]

01. Photo of view

104 v104A v104a v105

02. Photo of constituent

A16 .108 L\_V17d3176 0726 gG L\_V17d3177 0726 gG L\_V17d3178 0726 gG L\_V17d3179 0726 gG

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drawings from draftsman

photos in situ

click on view



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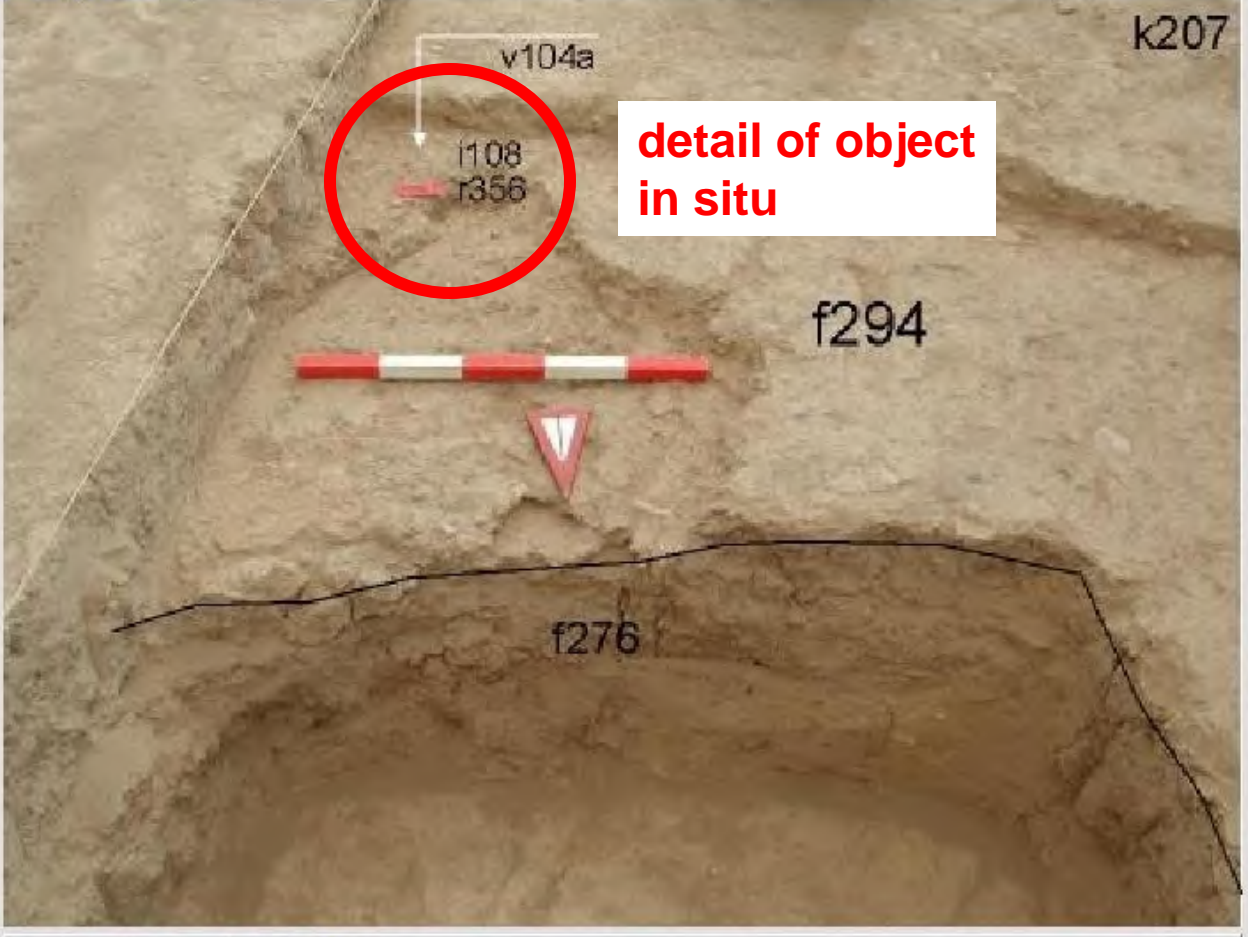
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Analogical record



detail of object in situ

O12.VWFeat	2002-9-29	<a href="#">IR</a> f 276, <a href="#">f294</a> [Input file: -MX12-99.J]
O13.VWItem	2002-9-29	<a href="#">IR</a> i 108 [Input file: -MX12-99.J]
O15.VWLocus	2002-9-29	<a href="#">IR</a> k 207 [Input file: -MX12-99.J]
View of <a href="#">i108</a> (seal impression) exact location marked by a small red tag which equals <a href="#">r356</a> . This item has an		

**Global Rec**

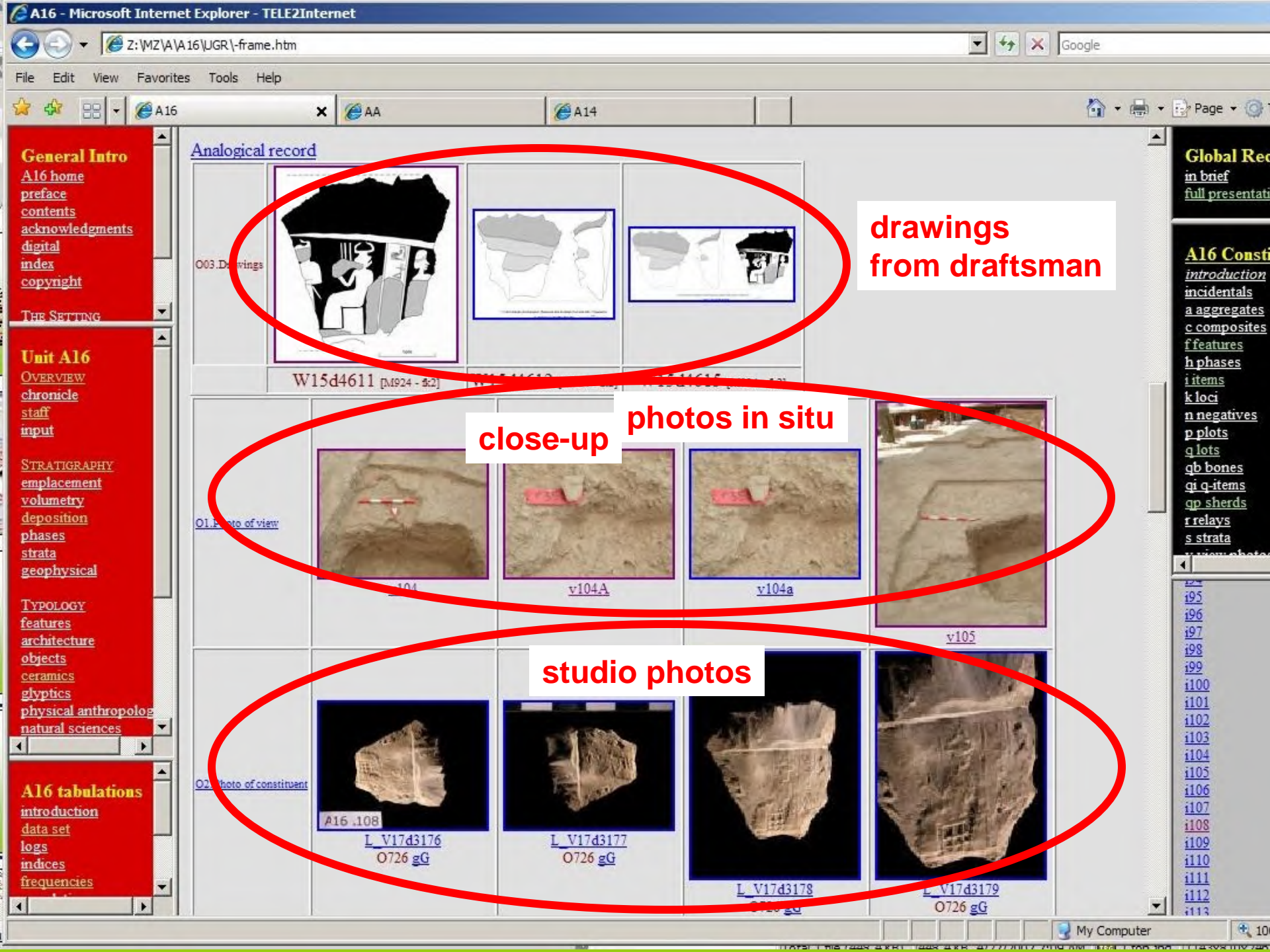
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Analogue record



003.Drawings

W15d4611 [M924 - 6x2]

drawings from draftsman



01. Photo of view

v104

v104A

v104a

v105

close-up photos in situ



02. Photo of constituent

A16 .i108

L\_V17d3176  
0726 gG

L\_V17d3177  
0726 gG

L\_V17d3178  
0726 gG

L\_V17d3179  
0726 gG

studio photos

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02.Photo of constituent  
(continued)



L\_V17d3822  
0725 gG

L\_V17d3823  
0725 gG

L\_V17d3824  
0725 gG

L\_V17d3825  
0725 gG


**Special roster: Seal impressions**

**special glyptic roster**

Absent/Present	present - [0313-mkb]
<a href="#">Condition of Inscription</a>	Fragmentary Inscription - [0313-mkb]
How Inscription is Written	top to bottom - [0313-mkb]
<a href="#">Language of Text</a>	Akkadian - [0313-mkb]
<a href="#">Language of personal name</a>	Akkadian (?) - [0313-mkb]
Legend: transliteration	la-hu-[ ] - [0313-gb]
<a href="#">Background</a>	Blank - [0313-mkb]
<a href="#">General Composition of Entire Seal</a>	Frieze (e.g. contest) - [0313-mkb]

**text of inscription**

First composition, major compositional element: First figure



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First composition, major composition element **detailed analysis by component**



Identification of Figures	Male - [0313-mkb]
posture of Figure: General	Unclear - [0313-mkb]
Posture of Figure: View Shown: Head	Profile, Right Side - [0313-mkb]

First composition, major compositional element: Second Figure



Identification of Figures	Male - [0313-mkb]
Identification of Figures: ,Deity	Unclear - [0313-mkb]
Distinctive Physical Characteristics	!! ho, hat - [0313-mkb]
Dress	Unclear - [0313-mkb]
Head Covering	Cap, one Pair of Horns - [0313-mkb]

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Seals-main frame A16

<a href="#">Dress</a>	Unclear - [0313-mkb]
<a href="#">Head Covering</a>	Cap, one Pair of Horns - [0313-mkb]
<a href="#">posture of Figure: General</a>	Standing - [0313-mkb]
<a href="#">Posture of Figure: View Shown: Body</a>	Profile, Left Side - [0313-mkb]
<a href="#">Posture of Figure: View Shown: Head</a>	Profile, Left Side - [0313-mkb]
<a href="#">Posture of Figure: Left Arm</a>	Arm Down, Elbow Bent, Forearm Crossing Body - [0313-mkb]
<a href="#">Role of Figure in Composition</a>	Worshiping and Presenting - [0313-mkb]

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**First composition, major compositional element. Third figure**

**compositional elements**



**iconographic identification**

<a href="#">Identification of Figures: Deity</a>	Shamash - [0313-mkb]
<a href="#">Distinctive Features: Styling</a>	Hair - Styled in Bun - [0313-mkb]
<a href="#">Head Covering</a>	Cap, one Pair of Horns - [0313-mkb]
<a href="#">posture of Figure: General</a>	Seated - [0313-mkb]
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<a href="#">Posture of Figure: View Shown: Head</a>	Profile, Left Side - [0313-mkb]
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