

1975

PVN-005-Urban-Field Notes-1975-79

Patricia Urban

Kenyon College, urban@kenyon.edu

Follow this and additional works at: <https://digital.kenyon.edu/honduras>

 Part of the Archaeological Anthropology Commons

Recommended Citation

Urban, Patricia, "PVN-005-Urban-Field Notes-1975-79" (1975). *Four Valleys Archive*. Paper 6282.
<https://digital.kenyon.edu/honduras/6282>

This Field Notes is brought to you for free and open access by the Anthropology at Digital Kenyon: Research, Scholarship, and Creative Exchange. It has been accepted for inclusion in Four Valleys Archive by an authorized administrator of Digital Kenyon: Research, Scholarship, and Creative Exchange. For more information, please contact noltj@kenyon.edu.

NACO

OPTIONAL 120 B Lot 1
 PROVENIENCE: ground surface to 1 cm below (on S end), and south of
 poss. construction (S of a line 1 cm N of trench's S face) str. 9
 DEPOSITIONAL & OCCURRENCE: prob. terminal occupation debris
 (fill, middle, etc.)

RELATIVE CHRONOLOGICAL ASSESSMENT: L Classic? / E Postcl Per VI E

CROSS-REFERENCES: P79-5-132
 (Photocopy, photo, etc.) D79-5-16

CONTENTS: Shards

NACO

120 B Lot 2
 PROVENIENCE: to North of a line 1-4 cm N of trench's S wall, which
 probably represents the South margin of the wall str. 9
 DEPOSITIONAL & OCCURRENCE: probable fill lot
 (fill, middle, etc.)

RELATIVE CHRONOLOGICAL ASSESSMENT: L Classic Prob. Per VI L

CROSS-REFERENCES: P79-5-132
 (Photocopy, photo, etc.) P79-5-16

CONTENTS: Shards

NACO

NACO

OPTIONAL 120 B Lot 3
 PROVENIENCE: Stones and earth N of KIDDER wall str. 9
 DEPOSITIONAL & OCCURRENCE: fill

RELATIVE CHRONOLOGICAL ASSESSMENT: Per. VI Early - Terminal Cl / Early Post Classic Transition

CROSS-REFERENCES: P79-5-129
 (Photocopy, photo, etc.) D79-5-16

CONTENTS: Shards

CATALOGED OBJECT LIST
(filled out from Object Catalog cards for lot)

Lot # 120B/1

FIELD NUMBER	KEPT	DISC.	BRIEF DESCRIPTION (substance, object)
120B/1	93	6	Shards
120B/1-1nd-2	2	-	Lower fragments - pieces of scored "lid"

120B/2

FIELD NUMBER	KEPT	DISC.	BRIEF DESCRIPTION (substance, object)
120B/2	10	-	Shards
120B/2	3	-	Stone, obsidian, flakes w/ cortex
	2	-	Flakes w/o cortex
	1	-	blade frag

LOT: 120B/3

INVENTORY

NUMBER	KEPT	Disc	DESCRIPTION
120B/3	59	1	Shards
120B/3	4	-	Adobe

NACO PROJECT

OPERATION: 120F LOT: 3 23 May 1979 EXCAVATOR: S/ETS SITE: Guayaquil
 PROVENIENCE: 40-60 cm below GS at NE corner

DEPOSITIONAL SIGNIFICANCE: midden
 (fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT:

Per IV L

CROSS-REFERENCES: P79-5-130, 132

(Notebooks, photos, etc.) D79-5-16 79-5-Bum-11, 12

CONTENTS:

shards
 obsidian

Object Lot Card
 Complete this side at excavation

NACO PROJECT

OPERATION: 120F LOT: 4 24 May 1979 EXCAVATOR: S/ETS SITE: Guayaquil
 PROVENIENCE: poss. former ground surface located 53-64 cm below datum at NE corner, and within 30 cm East of trench's West face
 DEPOSITIONAL SIGNIFICANCE: terminal occupation debris - trash deposit, (fill, midden, burial, etc.) probably primary (on orig. ground surface) - NO - but a distinct ^{deposit} _{disturbance} some distinctive matrix

PRELIMINARY TEMPORAL

Late Classic
 Per IV L

CROSS-REFERENCES: P79-5-130, 132

(Notebooks, photos, etc.) D79-5-16 79-5-Bum-11, 12

CONTENTS:

Shards - c. 112 Tag delana rims with
 big piece of a bicaro
 figurine fragment
 other rims, prob. bicaro

Object Lot Card
 Complete this side at excavation

NACO PROJECT

OPERATION: 120F LOT: 5 24 May 1979 EXCAVATOR: S/ETS SITE: Guayaquil
 PROVENIENCE: (Clamped coil) near coil level 48-62 cm below GS at NE corner
 DEPOSITIONAL SIGNIFICANCE: (fill, midden, burial, etc.)

PRELIMINARY TEMPORAL

Per IV L

CROSS-REFERENCES: P79-5-130, 132

(Notebooks, photos, etc.) D79-5-16 79-5-Bum-11, 12

CONTENTS:

Object Lot Card
 Complete this side at excavation

NACO PROJECT

OPERATION: 120F LOT: 6 24 May 1979 EXCAVATOR: S/ETS SITE: Guayaquil
 PROVENIENCE: 62-80 cm below datum
 DEPOSITIONAL SIGNIFICANCE: midden / trash
 (fill, midden, burial, etc.)

PRELIMINARY TEMPORAL

L-Classic Poss^{Prob} Per IV E

CROSS-REFERENCES: P79-5-130, 132

(Notebooks, photos, etc.) D79-5-16 79-5-Bum-11, 12

CONTENTS:

Shards

Object Lot Card
 Complete this side at excavation

Loc: 120E/1

CATALOGUED OBJECT LIST
(filled out from Object Catalogue cards for lot)

... 20F!

ITEM NUMBER	QTY	UNIT	DESCRIPTION
120E/1	24	2	Shards

~~CATALOGUED DISK 1001~~
(filled out from Coject Cataloging in Disk 1001)

120ER

CATALOGUED OBJECT LIST
(filled out from Object Catalogue cards for lot)

Lot # 1207/2

FIELD NUMBER	KEPT	DISC.	INDEX	DESCRIPTION (substance, object)
120E/2	11	-		Sheds

FIELD NUMBER	KEY	DISC	BRIEF DESCRIPTION (substance, object)
120F/2	274	-	Shards
120F/2-1	1	-	Censor frag - part of probable hollow bottle handle
120F/2-2	1	-	Whistle frag

NACO PROJECT

120E 1

DATES: 23 May 1979 EXCAVATOR: S/ENS SHIRI-Guayavial

West post. stone alignment, 1.50m East of trench's West wall, and to level 40cm below NW corner GS, Str. 2

DEPOSITIONAL SIGNIFICANCE: probable terminal occupation debris (fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT: L Classic / EPstcl Trans Per II E

CROSS-REFERENCES: 079-5-16
(Notebooks, photos, etc.) 079-5-131, 132

CONTENTS: Shards - a fairly small lot

Object Lot Card

Complete this side at excavation

NACO PROJECT

120E 2

DATES: 23 May 1979 EXCAVATOR: S/ENS SHIRI-Guayavial

PROVENIENCE: East of line 1.50m E of trench's West wall, to level 40cm below GS of NW corner (Str. 2)

DEPOSITIONAL SIGNIFICANCE: probable fill lot (fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT: Per II L / Per II E unclear

CROSS-REFERENCES: 079-5-131, 132
(Notebooks, photos, etc.) 079-5-16

CONTENTS: Shards - smallish lot

Object Lot Card

Complete this side at excavation

NACO PROJECT

OPERATION: 120F LOT: 1

DATES: 23 May 1979 EXCAVATOR: S/ENS SITE: Guayavial

PROVENIENCE: 0-20cm below datum at NE corner

DEPOSITIONAL SIGNIFICANCE: probable trash deposit corresponding to terminal (fill, midden, burial, etc.) occupation

PRELIMINARY TEMPORAL ASSESSMENT: L-Classic Per II L

CROSS-REFERENCES: 079-5-131, 132
(Notebooks, photos, etc.) 079-5-16 79-5-6mm-1, 12

CONTENTS: Shards
Obsidian

Object Lot Card

Complete this side at excavation

NACO PROJECT

OPERATION: 120F LOT: 2

DATES: 23 May 1979 EXCAVATOR: S/ENS SITE: Guayavial

PROVENIENCE: 20-40cm below datum at NE corner

DEPOSITIONAL SIGNIFICANCE: trash deposit - probable terminal occupation debris (fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT: L-Classic Per II Late

CROSS-REFERENCES: 079-5-131, 132
(Notebooks, photos, etc.) 079-5-16 79-5-6mm-1, 12

CONTENTS: Shards
poss. figurine or whistle frag

Object Lot Card

Complete this side at excavation

1200//

1200//

1200//	60	-	Sheds
1200//1	5	-	lensr frags (all glued)
	3	-	Adobe

1200//	5	1	Sheds
1200//	1	-	Adobe

INVENTORY

LOT: 1200/2-3

NUMBER	KEPT	DISC	DESCRIPTION
1200/2-3	63	1	Sheds
	3	-	Adobe

no readout

NACO PROJECT

OPERATION: 120 D LOT 1 DATE: 23 May 1979 EXCAVATION: 5/E775 Guayaquil
 PROVENIENCE: ground surface to 1m below corner and West of construction (MORLEY wall) Str 6
 DEPOSITIONAL: Terminal Debris
 (Fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT: Prob. Per VI E

CROSS-REFERENCES: PH-5-130, 132
 (Notebooks, photos, etc.) 079-5-30 079-5-16
 079-5-16

CONTENTS: sherds
 problematic ceramic item

Object Lot Card
 Description of lot and its contents

NACO NACO

OPERATION: 120 D LOT 2-3 DATE: 24 May 1979 EXCAVATION: 5/E775 Guayaquil
 PROVENIENCE: Lot 2: stones and earth E of MORLEY wall, STR. 6
 LOT 3: 1m below STERLING "surface"
 DEPOSITIONAL: L 11?
 (Fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT: Prob. Per IVa

CROSS-REFERENCES: PH-5-129, 132
 (Notebooks, photos, etc.) 079-5-30, 16 79-5-000-9, 10, 000-10

CONTENTS: Lot 2 had 4-5 sherds and was mixed with
 workers with 3, which was much larger

NACO PROJECT

OPERATION: 120 C LOT 1 DATE: 23 May 1979 EXCAVATION: 5/E775 Guayaquil
 PROVENIENCE: ground surface to level 10cm below SW corner, running south
 end + rubble south of poss. wall, Str 6
 DEPOSITIONAL: poss. terminal occupation debris
 (Fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT: Per VI E

CROSS-REFERENCES: PH-5-130, 132, 134, 135
 (Notebooks, photos, etc.) 079-5-30 plan

CONTENTS: Sherds - small lot
 adobe

Object Lot Card
 Description of lot and its contents

NACO NACO

OPERATION: 120 C LOT 2 DATE: 24 May 1979 EXCAVATION: 5/E775 Guayaquil
 PROVENIENCE: below stones of TRIK surface, South of GORDON wall, Str 6
 DEPOSITIONAL: poss. fill below prepared surface/terrace
 (Fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT: L Classic EP 1

CROSS-REFERENCES: PH-5-130, 132, 134, 135
 (Notebooks, photos, etc.) 079-5-30

CONTENTS: sherds
 Lot missing

MAPS N.E.A.R.

Alvarez

1 alb

120

152

159

161

Worm 60081

"

Manacal

Condorito

157

158

159

177

207

150

Condorito

Garcia

1 alb

101

101

101

190

Worm

June 21/22

De la Cruz

145

178

111

145

146

147

148

B. Perez

1 alb

155

156

173

174

Joe Perez
203

De la Cruz

153

mgr

154

111

161

162

163

164

165

116

116

117

118

119

1206

120F/7

120F/7	296	-	Shards
120F/7-5	1	-	Ceramic, candlestick w/ 4 holes
120F/7	1	-	Censer lid frag.
120F/7	1	-	Ceramic, whistle frag.
120F/7	4	-	Shards
120F/7	162	-	Shards
120F/7-1	1	-	Bone fragment
120F/7	2	-	Shards
120F/7-2,3,4	3	-	Catalogued shards ^{from site above} - 2 carved and 1 PAGR + monkey

72 - shards
+ 1 bysacene

120F/8

120H/11

INVENTORY

NUMBER	KEPT	DISC.	DESCRIPTION
120F/8	94	1	Shards
120F/8	1	-	Stone, obsidian, chunky/cortex
120F/8	1	-	Stone, obsidian, flake w/ cortex
120F/8	2	-	Stone, obsidian, blade frags
120F/8-1	1	-	Figurine fragment, 1/2 mold made head

120H/11 422 7 Shards
120H/11 - Figurine frag, part of mold-made face
120H/11 1 - Stone, obsidian, blade frag

INVENTORY

NUMBER	KEPT	DISC	DESCRIPTION
1204/2	99	-	Shards

1204/2

INVENTORY

NUMBER	KEPT	DISC	DESCRIPTION
1204/4	307	7	Shards
1204/4-2	-	-	Whistle frag
1204/4-3	-	-	Figurine frag
1204/4-1	-	-	Sword under lid frag

LOT: 1204/4

1204/3

1204/3-1	1	-	Censor lid??
1204/3	1	-	Censor
1204/3	187	10	Shards

INVENTORY

NUMBER	KEPT	DISC	DESCRIPTION
120I/1	211	-	Shards
120I/1-1	1	-	Censor frag, sword "lid"
	-	3	Altoke

LOT: 120I/1

NACO NACO

OPERATION: 1204 LOT: 2
 DATES: 24 May 1979 EXCAVATOR: S/ETS SITE: Guayaquil
 PROVENIENCE: 45-65cm below datum at NW corner
 Shards come from 45-55cm only
 DEPOSITIONAL SIGNIFICANCE: probable trash deposit / terminal debris (fill, midden, burial, etc.)
 Str 44

PRELIMINARY TEMPORAL ASSESSMENT

Prob. Per VI E

CROSS-REFERENCES: 79-5-132, 138, 139
 (Notebooks, photos, etc.) 79-5-132-7

CONTENTS:

NACO NACO

OPERATION: 1204 LOT: 3
 DATES: 24 May 1979 EXCAVATOR: S/ETS SITE: Guayaquil
 PROVENIENCE: above and in stones in extension of trench East of original 1m limit
 DEPOSITIONAL SIGNIFICANCE: terminal debris?
 (fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT

L-Classic / EP-0 Trench Per VI E

CROSS-REFERENCES: 79-5-129, 138, 139
 (Notebooks, photos, etc.) 79-5-132-7

CONTENTS:

Shards

NACO NACO

OPERATION: 1204 LOT: 4
 DATES: 24 May 1979 EXCAVATOR: S/ETS SITE: Guayaquil
 PROVENIENCE: below stones in East extension of trench - E of 1m line
 DEPOSITIONAL SIGNIFICANCE: terminal debris?
 (fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT

L-Classic / EP-0 Trench Per VI E

CROSS-REFERENCES: 79-5-129, 138, 139
 (Notebooks, photos, etc.) 79-5-132-7

CONTENTS:

Shards

NACO NACO

OPERATION: 1201 LOT: 1
 DATES: 24 May 1979 EXCAVATOR: S/ETS SITE: Guayaquil
 PROVENIENCE: Surface to construction IN of and above GAN wall
 DEPOSITIONAL SIGNIFICANCE: probable terminal debris
 (fill, midden, burial, etc.) Str. 12

PRELIMINARY TEMPORAL ASSESSMENT

L-Classic / EP-0 Trench Per VI E

CROSS-REFERENCES: 79-5-131, 132, 136, 137
 (Notebooks, photos, etc.) 79-5-30 79-5-132-7

CONTENTS:

Shards

NACO NACO

OPERATION: 120H LOT: 2
 DATES: 24 May 1979 EXCAVATOR: S/ERS SITE: Guayaquil
 PROVENIENCE: 45-605m below datum at NW corner
 Shards come from 45-55cm only
 DEPOSITIONAL SIGNIFICANCE: probable trash deposit / terminal debris West
 (Fill, midden, burial, etc.) Str. 14

PRELIMINARY TEMPORAL ASSESSMENT: Prob. Per VI E

CROSS-REFERENCES: 79-5-132, 138, 139
 (Notebooks, photos, etc.) 79-5-132-7

CONTENTS:

NACO NACO

OPERATION: 120H LOT: 3
 DATES: 24 May 1979 EXCAVATOR: S/ERS SITE: Guayaquil
 PROVENIENCE: above and in stones in extension of trench East of
 original 1m limit
 DEPOSITIONAL SIGNIFICANCE: terminal debris?
 (Fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT: L-Classic / EPst U Tramo Per VI E

CROSS-REFERENCES: 79-5-129, 138, 139
 (Notebooks, photos, etc.) 79-5-132-7

CONTENTS: Shards

NACO NACO

OPERATION: 120H LOT: 4
 DATES: 24 May 1979 EXCAVATOR: S/ERS SITE: Guayaquil
 PROVENIENCE: below stones in East extension of trench - E of 1m line
 DEPOSITIONAL SIGNIFICANCE: terminal debris?
 (Fill, midden, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT: L-Classic / EPst U Tramo Per VI E

CROSS-REFERENCES: 79-5-129, 138, 139
 (Notebooks, photos, etc.) 79-5-132-7

CONTENTS: Shards

NACO NACO

OPERATION: 120I LOT: 1
 DATES: 24 May 1979 EXCAVATOR: S/ERS SITE: Guayaquil
 PROVENIENCE: Surface to construction IN of and above GANN wall
 DEPOSITIONAL SIGNIFICANCE: probable terminal debris
 (Fill, midden, burial, etc.) Str. 12

PRELIMINARY TEMPORAL ASSESSMENT: L-Classic / EPst U Tramo Per VI E

CROSS-REFERENCES: 79-5-131, 132, 136, 137
 (Notebooks, photos, etc.) 79-5-30 79-5-132-7

CONTENTS: Shards

1206/

120F/7

120F/7	296	-	Shards
120F/7-5	1	-	Ceramic, candlestick w/ 4 holes
120F/7	1	-	Censer lid frag
120F/7	1	-	Ceramic, whistle frag
120F/7	4	-	Shards
120F/7	162	-	Shards
120F/7-1	1	-	Bone fragment
120F/7	2	-	Shards
120F/7-2,3,4	3	-	Catalogued shards ^{from site above} - 2 carved and 1 PAGR w/ monkey

72 - shards
+ 1 bajareque

120F/8

INVENTORY

NUMBER	KEPT	DISC.	DESCRIPTION
120F/8	94	1	Shards
120F/8	1	-	Stone, obsidian, chunky/cortex
120F/8	1	-	Stone, obsidian, flake w/ cortex
120F/8	2	-	Stone, obsidian, blade frags
120F/8-1	1	-	Figurine fragment, 1/2 mud made head

120H/1

120H/1 422 7 Shards
120H/1 - Figurine frag, part of mud-made face
120H/1 1 - Stone, obsidian, blade frag

NACG PROJECT

120F LOT: 7
DATE: 80-100 cm below datum

24 May 1978 EXCAVATOR: S/ERS

SITE: Guayaquil

midden / trash deposit

L-Classic Prob/Per II E

P79-5-130, 132

P79-5-16

shards

NACG

NACG

OPERATION: 120 F LOT: 8
PROVENIENCE: 100-120 cm below NE corner

DATE: 25 May 1978 EXCAVATOR: S/ERS SITE: Guayaquil

DEPOSITIONAL SIGNIFICANCE: midden
(Fill, rubbish, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT: L-Classic? Classic of any note Per II E

CROSS-REFERENCES: P79-5-129, 130
(In blocks, photos, etc.) P79-5-16 P79-5-130-132

CONTENTS: shards

120G/1

NACG PROJECT

OPERATION: 120G LOT: 1
PROVENIENCE: earth and rubble North of construction of ~~Old ERS~~ wall

DATE: 24 May 1978 EXCAVATOR: ~~Isabel Schuster~~ Guayaquil
Str. 6

DEPOSITIONAL SIGNIFICANCE: terminal debris
(Fill, rubbish, burial, etc.)

PRELIMINARY TEMPORAL ASSESSMENT: Per VI Early - Early Postcl / Terminal Cl transition
Per II E

CROSS-REFERENCES: P79-5-129, 130, 135, 136
(In blocks, photos, etc.) P79-5-30 P79-5-130-132

CONTENTS: shards

NACG PROJECT

OPERATION: 120H LOT: 1
PROVENIENCE: surface to 45 cm below datum at NW corner (Str 14)

DATE: 24 May 1978 EXCAVATOR: S/ERS SITE: Guayaquil

DEPOSITIONAL SIGNIFICANCE: apparent trash deposit W of structure
probable terminal occupation debris

PRELIMINARY TEMPORAL ASSESSMENT: L-Classic / BPA Cl Per II E

CROSS-REFERENCES: P79-5-132, 138, 139
(In blocks, photos, etc.) P79-5-130-132

CONTENTS: shards

(filled out from Object Catalogue cards for lot)

Lot # 120F/3

FIELD NUMBER	KEPT	DISC.	BRIEF DESCRIPTION (substance, object)
120F/3	301	2	Shards
120F/3-1	1	-	Figurine fragment of unknown form
120F/3	2	-	Stone, obsidian, flakes w/o cortex
120F/3	1	-	Stone, obsidian, flake w/o cortex
120F/3	1	-	Adobe chunk

CATALOGUED OBJECT LIST
(filled out from Object Catalogue cards for lot)

120F/5

Lot # 120F/5
120

FIELD NUMBER	KEPT	DISC.	BRIEF DESCRIPTION (substance, object)
120F/5	163	-	Shards
120F/5-1	1	-	Ceramic, whistle frag
120F/5-2	1	-	Ceramic, shard disk
120F/5-3 and 4	2	-	Canister lids; 120F/5-4 has possible impressed design
120F/5-5 and 6	2	-	Figurine frags, mold made, unknown item/person/animal

CATALOGUED OBJECT LIST
(filled out from Object Catalogue cards for lot)

Lot # 120F/4

120F/4	40	-	Shards
120F/4-1	1	-	Figurine frag - mold made head
120F/4-10	2	-	Canister frags, scored
120F/4	1	-	Shard

CATALOGUED OBJECT LIST
(filled out from Object Catalogue cards for lot)

Lot # 120F/6

FIELD NUMBER	KEPT	DISC.	BRIEF DESCRIPTION (substance, object)
120F/6	296	3	Shards
120F/6-3	1	-	Ceramic, figurine frag (probably 120F/6-3)
120F/6	1	-	Stone, obsidian, blade frag
120F/6-2	1	-	Stone, basalt, metate frag
120F/6	47	-	Shards
120F/6-1	1	-	Figurine frag
120F/6-4	1	-	Shard, carved, burnished & red wash on cylinder (L. 296 same as 120F/6-4)

208	190	199
206	106	
112	109	
115	*218	
154	La Sierra	
*107	*149	
185	*131	

* = no date of occupation

Per. 3
0

4
1

5
7
La Sierra

6
2
La Sierra

Pottery Analysis

Numbering

- * Every ceramic item is assigned an object number in a single sequence.
- * Joined sherds in the same lot are assigned a single object number with letter sub-designations; record the number of fragments in the comment columns.
- * For sherds consisting of fragments from different lots, record the complete data in all appropriate lots; record lot and object numbers of all fragments in the comment columns.

Sorting

- * Separate ceramic artifacts (figurines, spindle whorls, beads, etc.) from sherds.
- * Sort sherds into surface treatment classes, separating rims, bases, supports, handles, body sherds, and special forms; within each category, separate items with interesting decoration from those without.
- * Check for matching fragments and glue them together with water-soluble glue; remember to check for matches between categories--e.g., plain bases joining slipped and/or painted bodies, figurine fragments among unslipped sherds.

Recording, Drawing, Disposition.

* Process items in this order:

Ceramic Artifacts

Enter: = Special Forms (type of artifact)
 = Surface Treatment (enter xx for interior of solid objects such as spindle whorls and ear spools; for molds and stamps, interior refers to the design side).

Record figurine fragments as a group; bag them together with object numbers (range) on tag.

Bag and store all ceramic artifacts together.

Non-diagnostic body sherds (all body sherds without interesting decoration--see below; includes Marimba, Sula Orange, etc.)

Enter: = Diameter (00)
 = Surface Treatment

Record as groups (by Surface Treatment class); bag each group separately with object numbers (range) on tag.

Bag and store all non-diagnostic body sherds together.

Diagnostic Sherds

body sherds with interesting decoration (generally at least one codable design--e.g., for Marimba, anything except indeterminate red zones; for Sula Orange and Fine Paste, even indeterminate designs are interesting if their location can be specified by segment)

Enter: - Diameter (00)

- Special Form (where at least two segments are present)

- Surface Treatment

- Decoration (enter codes on Sheet 2 as though the uppermost preserved segment were Segment 1)

handles

Enter: - Handles-Class

- Handles-Placement (if known)

- Handles-Length (if attachments are present)

- Handles-Width

- Handles-Thickness

- Surface Treatment

- Decoration (if present)

- Special Form (if attached to body sherd with at least two segments; code Placement as though uppermost preserved segment were Segment 1)

Draw new forms for each Surface Treatment class.

supports

Enter: - Support-Class

- Support-Length (if attachment present)

- Surface Treatment

- Decoration (if present)

If attached to base, enter appropriate Vessel Form Segment codes from bottom up (first segment above Base is Segment 4)

Draw new forms for each Surface Treatment Class.

bases

Enter: - Diameter (00)

- Vessel Form-Base

- Surface Treatment

- Decoration (if present)

If attached to large body sherd, enter appropriate Vessel Form Segment codes from bottom up.

Draw new forms for each Surface Treatment Class.

special forms-vessels

Enter: - Special Form (type of vessel)

- Surface Treatment

- Decoration (if present)

Draw new forms for each Surface Treatment Class.

rims

Enter: - Length

- Diameter

- Percent

- Vertical Height

- Vessel Form-Lip

- Vessel Form-Segments

- Supports (if present)

- Handles (if present)

- Surface Treatment

- Decoration (if present)

Draw new forms for each Surface Treatment Class.

SHERD NUMBER: 1 - 4

1 - 4 sherd number: 0001 - n

In general, each sherd is recorded on a separate line of the code sheet, but identical sherds (e.g., all non-diagnostic body sherds with the same surface treatment) may be entered in groups.

Record the first number of the group and the appropriate codes on one line; record the last number on the next line, leaving all other spaces empty.

VESSEL FORM-METRICS: 5 - 24

5 - 6 Length: to nearest cm.

Measured perpendicular to rim along surface of sherd, following its curvature; or along axis of a support.

7 - 8 diameter: to nearest cm.

Take outside diameter (except with everted and wedge rims).

00: body sherd or base

99: too small to measure

9 - 10 percent of rim: to nearest 1%.

01: too small to measure.

11 - 24 vertical height: to nearest cm.

Measured with vessel mouth horizontal.

Enter cumulative vertical height to end (bottom) of each segment.

Enter maximum vertical height under Total (this value will be greater than the last preceding entry unless vessel is complete or broken at end of a segment).

For sherds representing complete profiles in which the base is not sharply differentiated from the body, enter the same value under Lowest Segment, Base, and Total (e.g., a hemispherical bowl would have the same value for Segment 1, Base, and Total).

VESSEL FORM-SHAPE: 25 - 30

25 Lip

1 direct (includes rounded, thickened, flattened, tapered)

2 wedge (top must be nearly flat and exterior must curve in sharply)

3 flat (e.g., string-cut)

4 interior thickened (on plates and comales; one example on shallow bowl; must be clearly defined)

5 bolstered (exterior; must be clearly defined)

6 grooved or channeled

26 - 29 segments 1-4

Segment 1

Seg 2

Seg 3

Seg 4

trend of sherd

section of

indeterminate

indeterminate

1 in oblique or horizontal
(everted rim--sharp break
within cm)

inverted cone
horizontal ring

2 in oblique (other--(slanting/
straight or flaring/concave)

inverted cone same
hourglass

3 in horizontal--other
(truly flat disk)

horizontal disk

4 in hemispherical

lower sphere same same same

5 down vertical

cylinder same

6 out convex

upper sphere same same

7 out oblique--straight

cone same

8 out concave

hourglass

30 base

1 rounded (continues curve of lowest wall segment)

2 flat (truly horizontal; sharp break with wall)

3 dimple

4 flat perforated (frying pan incensario)

31 - 32 special forms:

(vessels)

- 01 single hole candelero
- 02 multiple hole candelero
- 03 5 prong incensario
- 04 other incensario
- 05 stool

- 19 other special vessel

(appendages)

- 21 spout
- 22 hollow cylindrical appendage (spout/handle/foot)
- 39 other special appendage

(ceramic artifacts)

- 41 figurine (definitely not a figurine whistle)
- 42 figurine whistle
- 43 whistle (not a figurine, though may have effigy tacked on)
- 44 partial whistle (may or may not be figurine fragment)
- 45 partial figurine (may or may not be figurine whistle)

- 50 figurine mold
- 51 stamp
- 52 vessel mold

- 55 sherd disc

- 60 ear spool
- 61 spindle whorl
- 62 bead

- 65 ball

- 67 bell (oblong hollow object with slit)
- 68 ceramic needle
- 69 other ceramic artifact

(body sherds: only for sherds with recordable decoration)

- 81 section of cylinder (cylinder/flaring bowl/olla neck)
- 82 section of hourglass (flaring bowl/olla neck)
- 83 section of sphere (hemispherical bowl/jar body)
- 84 section of cylinder or hourglass and section of sphere (olla neck and body)

- 99 indeterminate

SUPPORTS: 33 - 36

33 - 34 class:

complete	inc.	
01	51	hollow nubbin (width greater than height)
02	52	hollow conical (width less than height)
03	53	hollow cylindrical (mostly tall)
04	54	hollow mammiform
05	55	hollow cylindrical (bulbous end)
07	57	hollow trapezoidal (larger than lug; mostly polychrome)
08	58	hollow bulbous (mostly Fine Paste)
09	59	other hollow
11	61	solid nubbin
12	62	solid conical
13	63	lug (mostly on cylinders)
14	64	slab
15	65	bird effigy
16	66	snake effigy
18	68	other effigy
19	69	braided ring
20	70	other solid
31	81	ring base
41	91	pedestal base (tall, hourglass)
	99	indeterminate

35 - 36 Length: to nearest mm. Measured along axis of support to nearest point of attachment to vessel. If greater than 99 mm., enter 99 and record actual length as comment.

HANDLES: 37 - 45

37	class
1	single
2	double
3	multiple
4	braided
5	double parallel strap (frying pan incensario)
6	cylindrical (hollow)
7	lug
9	indeterminate (scar)

38 ~ 39 placement	
38 upper	39 lower
0 lip	
1 Seg 1	1 Seg 1
2 Seg 2	2 Seg 2
3 Seg 3	3 Seg 3
8 horizontal	1/2/3: attached to this segment
9 indeterminate	9 indeterminate

Note: "3-3" means "body to body" in PostClassic.

⁹⁴0 - 41 Length: to nearest cm. Measured only if both attachments present.
Measured along surface of handle, following its curvature.

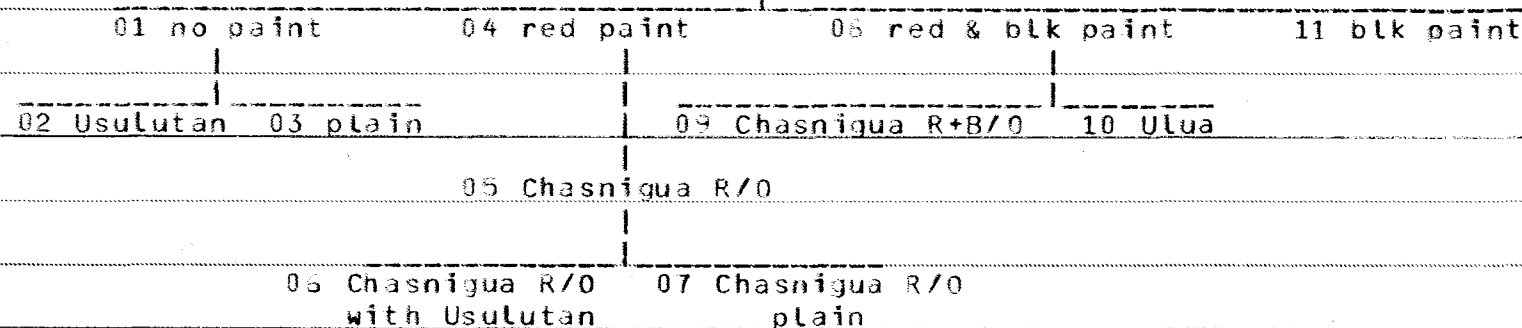
⁶⁴2 - 43 width: to nearest mm. Measured at center of handle.

⁴⁴4 - 45 thickness: to nearest mm. Measured at center of handle.

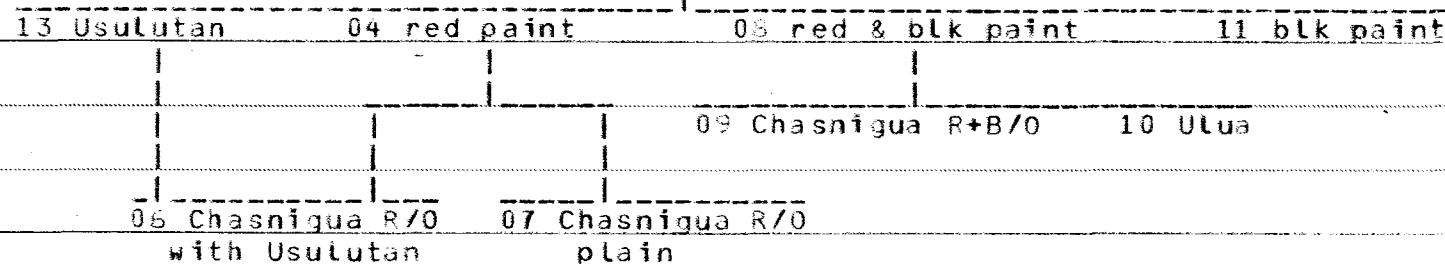
SURFACE TREATMENT: 46 - 53

46 - 47 class (Based on typical Late Classic material; new categories should be added as needed).

Sula Orange Rims



12 Sula Orange Bodies



46 - 47 class (continued)

- 14 deep red Marimba paint
- 15 very coarse
- 16 roughly smoothed
- 18 white slip
- 19 Tehuma Fine Paste (including modelled-carved and figurines)
- 20 Qitamay red
- 21 other orange (describe each case)
- 22 other red (describe each case)
- 23 Mopala red-brown
- 24 Toninlo black-brown polished slip
- 26 Cancique-like polychrome (buff self-slip with deep red and orange linear and curvilinear elements and dots)
- 30 Chasnigua Composite (Sula orange slip with representative resist design)
- 31 Chasnigua Red-on-Orange Composite (same with red paint)
- 41 white powdery underpaint
- 99 indeterminate

NOTES

- 03 must have essentially complete profile to be sure there is no Usulután
- 04 red paint present but too small to distinguish Chasnigua R/O, Chasnigua R+B/O, Ulua, other red painted Sula type (if such a type exists it requires a new code)
- 07 must have essentially complete profile to be sure there is no Usulután
- 08 red and black paint present but too small to distinguish Chasnigua/Ulua/ other Sula polychrome type (which would also require a new code)
- 10 includes Bold Geometric
- 11 includes probably Ulua(-BG), Chasnigua R+B/O
- 12 equivalent to 01 code for rims (impossible to be certain there is no paint at rim)
- 13 equivalent to 02 code for rims
- 19 includes Baracoa (true) Fine Paste, Tehuma (relatively) Fine Paste (Sula Fine Orange) and Porvenir Modelled-Stamped (theoretically on either paste; often orange-slipped; sometimes has red paint; includes fake marble vessels which are also stamped) and most figurines.
- 20 redder than Sula Orange, lighter than Marimba; often faceted or crackled; sometimes very high gloss, with smooth pre-slip or rough post-slip incision. Unincised sherds must be red; marginal red-orange sherds go in Chasnigua.
- 22 residual red; describe each case
- 24 black to brown slip; very highly polished (polishing facets visible but gloss uniform). Typically: fine paste bowl interiors, often with incision through slip; exterior buff, burnished/spot burnished

48 - 49 and 51 - 52 exterior and interior surface

- 01 unslipped -- very coarse
- 02 unslipped -- roughly smoothed
- 03 unslipped -- roughly smoothed - spot burnished
- 04 unslipped -- fully burnished
- 05 self slipped (brown/yellow brown/gray brown)
- 15 unslipped brushed-striated
- 24 Sula orange slip (full)
- 25 Sula orange slip (partial)
- 26 Sula orange and Tehuma self-slip (full)
- 27 Sula orange and Tehuma self-slip (partial)
- 28 Sula orange dark slip (brownish)
- 29 cream orange slip (includes probable double slip)
- 32 Otamay Red (red brown/red orange) slip. Redder than Sula Orange, lighter than Marimba. Often highly polished, faceted, and crackled
- 33 other red slip (residual; describe each case)
- 34 Mopala Red-Brown (can range to black; sometimes uneven, especially on exterior; slip burnished but rarely evenly or smoothly)
- 35 Tonino polished black/brown slip
- 41 buff self-slip (Marimba)
- 42 buff slip (Marimba; do not confuse with streaked red paint)
- 44 Cancique-like buff self-slip
- 45 cream-white polished slip
- 61 matte red slip
- 62 matte red self-slip
- 71 powdery white slip (Naco polychrome group)
- 98 NA (solid object)
- 99 indeterminate (surface eroded)

50 and 53 paint

- 0 none
- 1 red
- 2 orange (includes second coat of slip added as paint; mostly Chasnigua R/O)
- 3 black
- 4 red and black
- 5 red, black, and other(s)
- 6 white
- 7 specular red
- 8 red and other
- 9 indeterminate (eroded)

54 drawing

- 0 no
- 1 yes

55 comment

- 0 no
- 1 yes (write comment in empty columns; continue on back if necessary)

56 Entry on Sheet 2

- 0 no
- 1 yes

57 - 58 Special Paste Observations

- 1 Micaceous (high mica content)
- 2 Moderately micaceous
- 3 Baracoa (true) Fine Paste (NO temper; does not include Sula Fine Orange)
- 4 Sula Polychrome (BG): deep orange to pink; core often lighter than exterior; compact
- 5 salmon pink to light brown; compact
- 6 incensario paste; salmon pink to light brown with more temper
- 7 fine compact cream; includes early Usulutans (local version of Magdalena/Kanazi Cream)

59 - 64 Standard Comment

- 01 eroded
- 02 burnt
- 03 misfired
- 04 match between lots (joined sherds)

DECORATION (Sheet 2)

1 - 4 sherd number

5 - 80 enter codes in columns corresponding to type (plastic or painted) and location on vessel.

PLASTIC DECORATION

Incision

00 eroded/obscure

01 single encircling line

02 double encircling line

03 multiple encircling line

04 alternating bands of incision/punctuation

05

06

07 parallel lines (orientation unknown)

08 parallel lines, horizontal

09 parallel lines, vertical

10 parallel wavy lines (usually Marimba)

11 parallel oblique lines

12 parallel wavy and oblique lines

13 cross-hatched

14 step-fret

15 complex design

16 concentric rectangles (two sides must be present; must draw and specify what is in center)

17

18

19 rough scoring, diamond pattern (usually on incensario plates)

20 rough scoring (checkerboard; usually on incensario plates)

21 shallow wide fine parallel grooves (usually zoned in oblique sets; usually on interior base)

22 same as 21, but crude

23 rough scratching in sets of roughly parallel lines

30 slashes (sets of short incisions; usually on handles; includes notched rim)

31 face-like slashes (see 30)

32 slashed lug

35 single groove

36 double or multiple groove

Impression/Punctuation

40 reed-stamped

41 fabric

42 basket

43 plain punctuation

44 punctate face (on body sherd)

49 indeterminate incision

Applique

51 plain ridge (low)

52 flange (wide)

53 flange on Marimba (red above, plain below)

54

55 impressed ribbon (encircling)

56 impressed ribbon (other)

57 faceted carination

58 faceted strip

59

60 incised/carved encircling band (Ulua)

61 incised/carved encircling raised band (Ulua)

62 incised/carved rectangular panel (Ulua)

63 red-painted incised encircling band (BG)

64 carved design/stamped panel (Fine Paste, especially Porvenir Modelled-Carved)

70 plain button

71 button with 2 holes

72 button with 3 holes

73 nose

74 tri-punctate with applique (on handle)

75 effigy applique

76 raised slashed button

77 applique ring (donut)

79 other applique

80 effigy (part of vessel itself)

90 circular depression (usually Marimba, painted)

99 design continued from segment above

PAINTED DECORATION

00 eroded/obscure

01 oblique parallel stripes

02 oblique parallel stripes with solid zones

03 plain triangles with solid zones

04 plain triangles with cross-hatched zone

05 step-pyramids

06 step-frets

07 cross-hatching

08 cross-hatched diamond

10 9

10 10 Cs

11 reversed Cs

12 upended Cs

13

2

14 concentric rectangles

15 concentric rectangles -- dotted

16

17 double Xs -- dotted

18

19 T

20

21 dotted triangles

22

23 circle with Cs

24 circle with dotted quadrants

25 vertical separator (draw and specify motif in comments)

26 other solid geometric (BG, Ulua, Marimba)

27 stylized bird

28 dots and dashes

29

30 narrow red lip band (up to .5 cm)

31 narrow black lip band (up to .5 cm)

32 red dots

33 black dots

34 red and black dots

35 black spiral

36 black spiral and linear elements

37 red V

38 black V

39 red and black V

40 other complex lip design

41 Tenampua interior (wavy white line or step pyramid and dots on black band, with two black bands and red band below)

42 spiral (often interior base)

43 Santa Rita exterior red bands (usually medium and two thin red bands above phony heads)

44 bands: medium red (.5 to 1.5 cm)

45 bands: wide red (over .5 cm)

46

47 bands: medium or wide black (over .5 cm)

48 bands: black and black and medium red

49 Santa Rita garland/Voute X (often above dancing figures)

50 bande echallone (red, black and purple rectangles within two black lines)

51 framing bands: 1 (usually Chasnigua R+B/O)

52 framing bands: 2 (usually Chasnigua R+B/O)

53 complex black outline, red-filled (usually Chasnigua R+B/O)

54 glyphe L

55 glyphe T

56 glyphe U, C, Y, or E

57 glyphe H

58 Chac masks or frieze

59 braid (two elements; not used as vertical separator)

60 red crab

61

62 red monkey

63 black monkey

64 red and black monkeys

65 other monkeys (non-silhouette)

66 other animal

67 red-filled bird

68

69 parallel line

- 70
- 71 smoke
- 72 mask with eyebrows
- 73 person I (becomes crossed figures)
- 74 head or figure of person with serpent headdress
- 75 heraldic bat or bird
- 76 lambda figure
- 77 all monsters
- 78 textile (usually on Santa Ana)
- 79 phony head band, crew-cut
- 80 phony head band, bean-head
- 81 simple counters
- 82 elaborate counters
- 83 voussures (pendant scallop; usually Santa Rita or Yojoa)
- 84 chevrons or cordage
- 85 sonnettes
- 86 net-head
- 87
- 88
- 89 other linear geometric (red or black; BG, Ulua, Marimba)
- 90 negative wavy lines (Usulután)
- 91 other negative design (Usulután)
- 92 double outline of motifs
- 93 design in reserve (positive technique)
- 94
- 95 additional paint: white
- 96 additional paint: brown
- 97 additional paint: shades of orange/red
- 98 complex design
- 99 design continues from segment above

SHUROS

123 A / LOTS	2,486
- 123 EXCAV. LOTS	5,731
- 116 EXCAV. LOTS	5144
116 A / LOTS	492
- 120 EXCAV. LOTS	3704 3836
110 A / LOTS	49
- 110 EXCAV. LOTS	338
- 145 EXCAV. LOTS	1270
148 A / LOTS	37
155 A / LOTS	18
- 155 EXCAV. LOTS	1349
- 158 EXCAV. LOTS	691
- 180 EXCAV. LOTS	161
- 159 EXCAV. LOTS	1010
- 185 EXCAV. LOTS	26
- 197 EXCAV. LOTS	375
111 B / LOTS	5
201 A / LOTS	15
207 A / 1	37
209 A / LOTS	33 55
- 209 EXCAV. LOTS	369
215 A / LOTS	76
- 215 EXCAV. LOTS	895
217 A / LOTS	13
- 217 EXCAV. LOTS	71

SHUROS

- 186 EXCAV. LOTS	424
114 A / 1	144
113 A / LOTS	296
100 A / 1	7
101 A / LOTS	160
105 A / 1	149
108 A / 1	63
106 A / LOTS	134
134 B / LOTS	111
121 A / 1	322
122 A / 1	82
126 A / 1	12
115 A / 1	26
107 EL PAPAYO	2
125 A / 1	7
128 A / 2	14
135 C / LOTS	122
209 EL RINCON	35
202 A / 1	34
104 B / LOTS	961
104 A / LOTS	33
206 A / 1	209
111 A / 1	41
159 A / LOTS	235
158 A / LOTS	34

SHARDS

- 177 EXCAV. LOTS ~~835~~ 842

- 176 EXCAV. LOTS 619

- 111 EXCAV. LOTS 3131

208A/1 77

203A/1 LOTS ~~204~~ 543

117A/1 33

TOTAL

33,451 CHUCKS

EXCAV. 26287

SURVBY/SURFACE 7164

Abbreviations — Attribute tabulations

Platform Preparation

c = crushing } overhang removal
f = faceting }

a = abrasion } core surface treatment
s = striations }

1, 2, 3 = light, moderate, intensive

ctx = cortex

Flake designation

1° = primary (entire dorsal surface is cortex)

2° = Secondary (at least 1 flake scar on dorsal surface; at least some cortex on dorsal surface or platform)

int = interior (no cortex present)

Retouch

unif = unifacial flaking (onto 1 surface only)

bif = bifacial (onto opposite surfaces from same edge)

unif.alter. 2 edges = unifacial flaking onto opposite surfaces on different edges

unif.alter. 1 edge = same but along same edge at different places

UBLAH

Site 50

60AL

Blade manufacture, some slight module flaking
Blade use

Min Blade A Min Flake Rahon

	^{min} #cores	^{min} #blades	^{min} #flakes	^{min} #blades used	^{min} #blades	^{min} #fl used	^{min} #fl
50-1	2	3	4	2	3	1	4
50-2	4	26	17	9	26	3	17
50-3	1	27	41	10	27	2	41
50-4	0	0	2	0	0	0	2
50-9	0	1	0	0	1	0	0
50-14	0	8	5	5	8	0	5
50-15	0	0	2	0	0	0	2
50-17	3	9	3	5	9	0	3
50-18	1	1	0	0	1	0	0
50-20	0	2	1	2	2	0	1
Totals	11	77	75	33	77	6	75

50-1 Naco

Prox. blade - 3 pl. prep. - none - 1
abr. 1 - 2
retouch - unif 2 sides - 1

Distal blade - 2 (1 slightly out of passe)
retouch - unif 2 sides - 2

Flakes, whole - 4 (all secondary)
pl. prep.: none
retouch: unif 1 edge - 1

Point - 1

Flint flake, whole - 1
no plat prep, no retouch

cores: 1 whole - ~~no plat prep~~ ^{plat. removed for renewal} flake
exhausted w/ errors

1 - macroblade core rejuvenation
flake (prox. end)



50-2 surface Naco

Prismatic blades

Proximal - 204
Medial - 45
Distal - 45 (1 hinge)
Whole - 2 (1 hinge)

Flakes

Proximal - 5 (1-2°, 4-int)
Distal - 5 (5-int)
Whole - 12 (1-1°, 4-2°, 7-int)
No ID - 5 (1-2°, 4-int)

Cores

Points - 43

- 4 proximal pieces, of which 2 are almost complete.
- 2 distal fragments, one is a longit. fragment with some unifacial reworking.
- 1 irregular core fragments, possible distal end fragments. One reworked into a scraper.
- 1 domed scraper

Blades

Platform preparation

Cores
C2/S3
C1/a3 or cortex
C2/S3 or a1
C3/S1

C2/S2	C1/S2
C3/S2	C2/a1
C2/S1	C3/a1
C3/S1	C3/S2
C1/S2	C1/f2
C2/S2	C1/S1
C3/S3	O/S3
crushed	f1/a1
C3/a2	C3/S1
C1/S1	C1/f1
C1/a1	O/a3
C2/S1	C3/a2
C3/S1	C2/a2

Degree of bluntness → abrasion
varies positively with
angle of platform from
horizontal toward oblique

Core with clearest pl. prep. was destroyed by poor flake removal hinges & steps. Force directed inward, large amount of platform removed with each failure.
Poor ridge setup.

Flakes

C1/a1	none 1st II	C2/o
C2/cortex	C2/o	O/ctx
f1/o	C1/o	
crushed II	C1/ctx	

Retouch

		prox.	med.	distal
Unif. 1 edge	### (5)	### (5)		
Unif. 2 edge	(4)	### (8)	1 (1)	(Blade)
Bif. 1 edge		(2)		
Bif. 2 edge				
Unif., 2 edges: end				1 (1)
Bif. 1 edge, unif. 1 edge		1 (1)		

	Prox	Distal	Whole
Unif., 1 edge			1 #
Unif., 2 edges		1	
Unif., 2 edges: end			1
			↑ informal scraper
			(Flakes)

core chunks.

1 irreg. core frag not retouched (or finished?)

+ 1 high domed scraper, undercut exceedingly.

Breakage patterns - cores

(cores)

Long narrow core snapped across, w/ small peel up.
Distal frag. with 2nd longitudinal break.

Some use along intersection edge along with crude unifacial retouch.



Prox. frag. taken off at angle to platform:
Some use along bottom edge.



Prox. frag. w/ ctx plat. broken at bottom along several upward oblique planes

Battered - possible attempt to create new plat. at distal end.



pl. - obtuse

Error-destroyed core - poor poor wrapping with large scars (larger than any blades), large hinge scars, jutting platform edges. Obviously not correctable errors.

Core midsection w/ large oblique flake removing platform and large " " " distal end. Possible attempt to create new platform.

3th points - side notched
base straight to concave
bif. flaking

50-3

Blades

Prox. — 27
Medial — 36
Distal — 6 hinged (1 unfin. pt)
 6 feathered
Unknown — 3 worked
 1 waterworn
 1 point

Flakes

Whole

Primary — feathered — 1
Secondary — feathered — 17
 hinged — 4
 entre-passe — 1
Interior — feathered — 6 (1 large) (2 points → 1)
 hinged — 2

Fragments

Distal — interior — feathered — 4
 secondary — feathered — 2
 interior — hinged — 2
 secondary — hinged — 1
 primary — hinged — 1
Medial — interior — " "
 secondary — 1

Cores

Distal frag. blade core reworked to a scraper
Medial (close to distal end) blade core frag. broken
along parallel planes at & to blade removal
(?) Prox. blade core frag. broken at & below platform
which is battered (rejuv. frag. prob.).
Abraded platform
Min: 2 cores probably

1 whole flint flake
w/ flaws - int

Chunks

7 obs. chunks - secondary
4 " " " "
with flakes removed
from them (simultan-
eous as chunk
removal?)

50-3

plat prep - blades

crushing / abrasion : (7)

c1 / a1 - 3

c2 / a1 - 3

c1 / a2 - 1

crushing / striation : (7)

c1 / s1 - 3

c2 / s2 - 2

c1 / s2 - 1

c3 / s2 - 1

none - (1)

crushing - (4)

facetting / abrasion : (3)

f1 / a2 - 2

f2 / a2 - 1

crushing / abr & str : (2)

c2 / a1 s1 - 2

crushing / abr & fac : (1)

c1 / a1 f1 - 1

crushing & facet / striation : (2)

c1 & f1 / s1 : 2

note : a2

c = crushing } overhang
f = facetting } removal

a = abrasion } plat. surface
s = striation } preparation

1 = light

2 = moderate

3 = intense

Classic
*Post

p- Assoc. w. Structures

ploughed field
to uncertain

50-3
Retouch

<u>Blades</u>		Proximal	Medial	Distal
Unif.	1 edge	6	7	3
Unif.	2 edges	0	8	2
Unif. alter.	2 edges	0	1	1
Unif. alter	1 edge	1	1	0
Bif.	1 edge	0	1	0
Bif.	2 edges	2 points		
Bif. 1 edge, Unif 1 edge		1	0	0
Bif.	1 end	—	—	1
Bif Unif.	1 end	—	—	1
Alternate unif end & side		—	—	1
Unif.	2 edges & end	—	—	1

Flakes - 1 edge unif — 2 along distal edge

1 point - finished
1 point - incomplete

50-3 Naco

provenience - generally surface of ploughed field assoc. with structures

Postclassic, possible Classic

Prismatic blades and exhausted, broken cores:

Blades are fairly small, uniform width, of varying thickness, almost all trapezoidal.

Apparently last removals from cores, based on scar width of cores.

Flakes and chunks:

Weathered cortex, apparently not waterworn. Angular, prominent nubs broken off of nodules (chunks).

Flakes are mostly secondary, small, fairly uniform. Cortex predominates on platforms, some on dorsal surfaces.

Small multi-scarred fragments (of flakes?) present.

Technology - Basic

Some blade production (final stages only); some kind of nodule preparation, but probably not for blade cores.

Blade prod. - consistent (except 1) preparation of platform by overhang removal (slight to moderate, crushing or faceting or both) and platform surface abrasion &/or striating (generally light to moderate),

Nodule prep.:

All chunks & most flakes are small, with cortex & flake scars. Presumably result of same process of striking the irregular nobs off of nodules:



Utilization:

Retouch flaking:

Blades

Most of purposeful retouch is unifacial along one or both edges. If the use wear along these and unretouched edges corresponds to this, then ~~the~~ scraping / planing / carving activities are indicated, rather than cutting or sawing. Some of the retouch may be backing for a good grip.

Several are retouched at distal end: 3 unifacially & 1 bifacially. Indicate ~~the~~ gouging / scraping given rounded shape & narrow width.

Two bifaces are points - 1 finished and one started. Proximal end of point is distal end of blade (point tip is ~~the~~ blade platform).

Flakes

Only 2 retouched. Obviously these flakes are true debitage, whereas the blades themselves were tools.

50-4

1 obsidian primary flake, whole
1 grey flint int. flake, whole
No retouch

50-9

- 1 prox. pris. blade frag. - pl. prep: c/s/
retouch: none
- 1 medial pr. blade frag - ret.: none
- 1 point - short & wide, blank incisible

50-14 Naco

Prismatic blades

Proximal - 7
Medial - 8
Distal - 6 (1 outrepassed, 3 linged)
Unknown - 1
Whole - 1

Flakes

Whole obsidian - 3
Whole flint - 1
Proximal ^{flint} obsidian - 1
Distal obsidian - 1

Other

Flint biface ~~blade~~ tool midsection - 1

Platform preparation

Obs. blades

c1 / s1

o / s2

c1 / s3

c2 / a1

c3 / a2

c1 / s1

c1 / s1

f1 / a2 (whole).

Obs. flakes

1-crushed

1-none

1-none

flint flakes

1-c2

1-none

Retouch

~~Retouch~~ obsidian

Proximal

Whole

Medial

Distal

Unif 1 edge

"

1 fl.

"

-

Unif 2 edge

"

1 fl.

"

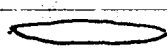
|||| (incl. ap)

Bif 1 end

1

Flint flakes unretouched

Flint biface



crude retouch & edges



50-15 Naco

- 1 chert chunk (heat-treated?)
- 1 small obsidian linge-fractured flake, whole
- 1 " " " " " , distal

50-17 Naco

Prismatic blades

Proximal - 9

Medial - 8

Distal - 2 feathered

Unknown - 2 points

Flakes

Proximal - 1 (macroblade frag?) interior

Whole - 2 secondary, small

Flint distal frag, slightly hinged

Cores (blade cores)

Proximal fragments - 3 (2 reworked Min. 4 cores)

Distal fragments - 2

Ovoid prox. core frag. reworked at distal end (bifacial)
to form irreg. convex edge. Not necessarily
exhausted. (intentional)

Circular exhausted prox. core shortened trifacially
at distal end. (intentional)

Irregular prox. core frag. shortened and platform
partially destroyed by errors (unintentional)

Irregular distal core frag - irregular, battered.

Possible small chunk only (doubtful)

Long, small diameter exhausted core distal
frag. with snap peeling down rather than
straight across; 2nd large flake scar
⊥ to blade scars (intentional)

Other - one large flake (macroblade?) scraper frag.
one irregular flaked chunk w/ cortex face (macro-
blade core frag?)

BASIC Technology

Exclusively core-blade but rather in-expert -
2 prox. fragments show evidence of poor
knapping, thus destroying cores prior to
full potential of production.

50-17

Rebouch

Platform prep.:

crushing / faceting C, f 1=light 2=moderate 3=heavy
abrasion / striation a, s

Blades

C2 / S2

C2 / S1

C3 / a1

C1 / a1

C2 / a2

C2 / S2

C3 / a2

C1 / a2

C2 / a1

cores

C3 / S1

C3 / a1

C3 / o

flakes

none (cortex platform)

none (cortex platform)

Rebouch

Blades

Prox

Med

Distal

Unif., 1 edge

" (2)

1 (1)

Unif., 2 edges

1 (1)

1 (1)

" (2)

Unif., alter. 2 edges

1 (1)

1 (1)

Unif., alter. 1 edge

1 (1)

Bif., 1 edge

1 (1)

Bif., 2 edges

(2) points

Bif 1 edge, Unif 1 edge

Bif., 1 end

Unif., 1 end

1 scraper (steep, heavy wear) fragment

50-18 Naco

- 1 blade-core platform rejuvenation flake
no plat. prep. evident, 1 stepped
flake scar, obtuse & ~~bulbous~~ of platform
- 1 prox. blade frag. plat. prep: c2/a1, no retouch
- 2 med. blade frag. no retouch
- 1 distal blade frag., hinge termination, no retouch

50-20 Naco

- 2 prox. blade fragments (2 prismatic:
pl. pr.: c2/a1
c1/a1
retouch: unif., ledge-1)
- 1 macroblade(?): pl. prep. - none
- whole. retouch - none
hinge termination
due to flaw
- 1 med. pris. blade frag.:
unif. retouch, 2 edges

123 A-1	<u>pl. pr.</u> C110	<u>ref</u> unit, ledge-1
prox. blade frags -3	C21a1	
	01a	

med. blade frag. - 5 bif ledge - 1

COYAS

- 1 large coarse flint core frag. no ret.
- 1 flint (?) - green & orange flake with numerous internal fracture planes. P.P. - cl, no reband

Flakes 123A-1 Santo Domingo Mostly very
interior whole - 24 } small. Most
2° whole - 23, 1 retouched } 2° w/ cfx on
1° whole - 2 } platform &/or
along one edge.
Ret. is concave unif.
1 short edge.

Inferior debitage — unretouched — 154
(chunks & flake fragments) retouched — 6
(doubtful)

2° débitage

(mostly chunks, few flake - unretouched - 52
fragments) retouched - 0

primary debris - 4 little (max 4cm diam) angular
waterworn nodules

123 B-1

1 - obs. flake distal frag. No retouch.

123 B-2

1 - grey obsid. pris. bl. midsection
no retouch

123C-2

- 1- 2° flint flake, unident. frag. no retouch
- 1- int. obs. fl. frag. - distal. no retouch
- 1- obs. worked ~~frag~~ whole flake - 2°
retouch - bif along 2 short edges
(irreg. form of edges)

123C-3

- 1- obsid. unident. frag. (scars on 1 surface, but no worked edge present)
- 1- obs. flake frag (medial prob)
- 1- obs pris. blade, prox & medial.
pl. pr. - o/fi, no retouch
- 1- obs pris blade midsection
no retouch

123C-4

- 1- obs pris blade prox & medial frag
pl. pr. - C2/a1 ret - unif, 1-edge

123C-5

- 1- flint flake frag (medial)
no retouch

- 1- obs. 2° small chunk

- 1- obs int small flake, whole
no pl. pr., no ret

123 D-1

- 1 - flint flake, whole. No plat. prep., no ret.
- 4 - obs. flakes, whole, small, interior
no retouch, no pl. prep.
- 1 - obs. flake, medial, small, interior
- 1 - obs flake, 25^{whole}, no retouch, no pl. prep.
- 1 - obs flake, whole, primary (?-roughened
exterior), no pl. pr., no retouch
- 1 - obs. prismatic blade medial section,
no retouch
- 1 - obs. pris. blade distal section

Site 123

	#conv	min# blades	min# flakes	#ret/# bl / bl	#ret/# fl / fl
123A-1	1 flint	3	3 : ^{SD} 2	1:3	1: ^{SD} 2
123B-1	0	0	0 : 1	0:0	0:1
123B-2	0	1	1 : 0	0:1	0:0
123C-2	0	0	0 : 3	0:0	1:3
123C-3	0	1	1 : 1	0:1	0:1
123C-4	0	1	1 : 0	1:1	0:0
123C-5	0	0	0 : 2	0:0	0:2
123D-1	0	1	1 : 7	0:1	0:7
Totals	1 flint	7	7 : 64	2:7	2:64

Alus II Site 134

- 1 - blade obs medial frag
- 1 - obs frag no ID
- very tiny

E1 Molino Site 135

- 1 - interior obsidian no ID chunk
- 1 - secondary " "

101 A -1

#3-obsid. flake fragments distal & medial
no retouch

1- obsid flake whole
no pl. pr. chipped
no retouch

1 large red coarse chert core
or flake frag. No retouch.

Site 101

101A-1	#core	#bl / #fl	#ret / bl / bl	#ret / fl / fl
101A-1	1 flint	0:4	0:0	0:4
134	0	1:0	0:1	0:0
135	0	0	0	0

La Sierra

	# cores	# bi / # fl	# ret / # ret bi	# ret / # fl
BIAU4				
3A-1	0	1:0	0:1	0:0
3B-1	0	2:0	0:2	0:0
3C-1	1	5:3	3:5	0:3
2A-8	0	2:0	0:2	0:0
2A-10	0	1:0	0:1	0:0
2A-13	0	1:1	0:1	1:1
2C-3	0	1:0	0:1	0:0
2D-8	0	1:0	0:1	0:0
2D-14	0	1:0	0:1	0:0
2D-16	0	0:2	0:0	0:2
2D-20	0	1:3	0:1	1:3 (flint ret)
2E-3	0	2:0	0:2	0:0
2E-6	0	0:1	0:0	0:1
2F-1	0	2:0 (1 flint)	0:2	0:0
2G-3	0	1:0	1:1	0:0
2G-4	0	2:0	0:2	0:0
Totals	1	23:10	3:23	2:10

2A-8 in wall La Sierra

1 pris. bl., obs., prox & medial.
pl. prep. - 0/a1
no retouch

2A-8 in fill

1 pris. bl., obs., proximal
pl. pr. - c1/a1
no retouch

2A-10

1 - obs. pris. bl. prox. frag
pl. prep. - ~~slightly~~ crushed
no retouch

2A-13

1 - obs. pris. blade prox. frag.
pl. pr. - c2/a1
no retouch

1 - obs. flake, whole - ^{f2}pr. pr. - c2/a1
dist. edge unif. ret, irreg.

2C-3

1 - obs. pris. bl. prox. frag.
pl. pr. - c # / a 2
no retouch

2D-8

- 1- obs. pris. blade (large) whole
pl. pr. - none
no retouch

2D-14

- 1- obs pr. bl. prox frag pp: c2/a1 no ret

2D-16

- 1- obs. 2° flake, pl. crushed, no retouch
- 1- grey obs waterworn(?) 2° flake frag.

2D-20

- 1- obs blade w/ pl. crushed no retouch
- 1- obs flake, whole pl. pr - c2/0 no ret
- 1- obs flake frag medial no ret
- 1- chert (black, yellow, white) large
flake (heat crackling?), 1 edge
unif ret slightly concave

2E-3

1- obs pr. blade medial frag

1 edge alternate unif retouch

1 edge part unif., part bif retouch

1- obs. pris blade prox & medial,
platform slightly crushed, not ret

1- obs blade distal frag no retouch

2E-6

1- flint flake, whole, hinge fractured, 2°
no retouch

1- black/grey/red obsidian
or very glossy chert (heat?)
angular broken chunk.

No retouch. Prob. glossy chert,
but curious!

2F-1

- 1- coarse whitish chert blade.
No pl. prep, no retouch.
- 1- obsid pr. blade medial section
no retouch

29-3

- 1 - obs. pris. blade prox frag
pl. pr. - c1/lo
side & end unif. retouched to
form long 'needle' point
1 - obs pr bl med frag no retouch

26-4

- 2 - obs pr bi prox frag c2/s1 no ret
c2/s2 no ret
- 2 - obs pr bi medial frag no rebound

3 A-1 La Sierra

1 - obs pr bl prox d med frag c2/q2 wret

3 B-1

1 - obs pr bl prox frag no retouch pp: c1/o

1 - obs pr bl medial frag no retouch

3C-1

5 - obs. pr. bl. prox frag

c2/a1	}	no rebound	
c3/a2		1 almost whole	
c2/a3		1 - primary obs. chunk	
c1/a2			1 - brown-red shiny chert + 2° chunk.
0/a2			

8 - obs. pr. bl. medial frag

unif 1-edge - 11	}	Same as 6 almost. Heat?
unif 2-edge - 1		

4 - obs. pr. bl. distal frag

unif 2-edge - 1	}	Same as 6 almost. Heat?

2 - obs. flakes, whole.

Interior - 1 faceted 3 platform	}
2° - 1 cfx platform	

1 - obs. flake frag - distal - 1

no rebound

1 - blade core frag - medial & longitudinal.

alternate bif. edge, 1 unif edge crude



Naco (Site 50)

TECHNOLOGY

Assuming that the assemblage is representative, it seems that ^{prismatic} blade production and use is ~~except~~ the major component. Apparently, the blade-cores were produced elsewhere, as there are no ^(or possibly only 1) macroblades or large primary and secondary flakes to indicate core preparation. The presence of exhausted

and, in one case error-destroyed, cores and core fragments, plus a uniform size of prismatic blade, indicate that prismatic blades were manufactured on the site.

These are not particularly fine ^{in terms of thickness}, and a high proportion of the distal fragments (%) are ~~linged~~ ^{a flaking} ~~an error~~ error. In conjunction with the error-destroyed core, made unusable ~~because of~~ ^{because of} too many mis-placed and mis-directed blows, ~~a~~ less-than-expert knappers are postulated to have done the work.

This unspecialized level of production is confirmed by the high proportion of retouched and utilized blades, indicating that they were ^{possibly} manufactured for immediate use, likely by the same individual(s). [INSERT p. 7]

In addition to the prevalent blade-core technology, a small amount of flake debitage is presented. This is mostly small secondary flakes and fragments along with ~~some~~ ^{some} small obsidian pebble fragments. This group of artifacts ^{is} ~~indicates~~ a rather minor component indicating some kind of unsystematic decortication of ^{irregular} river nodules or simply nodule testing. How it articulates with the blade-core industry is unknown. ~~Almost none~~ ^{Almost none} ~~very few~~ of the pieces are retouched or utilized - they are too small to be useful. If they are part of the blade-core preparation activities,

there should be some continuity between the flakes ~~tharad~~ and blades as they are successively produced. But this is not evident. Similarly, if they are simple nodule-testing debitage, one would expect to find some nodules or tools made from those, or at least unusable nodules (flawed or w/ ^{internal} ~~attector~~ fractures, etc). None of these were recovered.

~~There were no nodules recovered.~~

TOOL TECHNOLOGY

Most of the ^{reduced} blades have been modified by unifacial ^{retouch} ~~flaking~~ along one or both lateral edges. The flaking appears on the dorsal surface of the blades and ~~the~~ ~~flaking~~ ~~is~~ varies ^{from} from a cm to the entire fragment edge length. The edges thus modified are generally either concave or straight or irregular - no pattern is especially prevalent. Macro-wear due to use is

evident on many of the retouched as well as unretouched edges of the blades. This use-wear ~~is either~~ ^{consists of} both unifacial and bifacial edge-scarring, indicating ~~both scraping / planing~~ ^{both scraping / planing} use and cutting / sawing use. Although light use of some blades may not be visible, much of the work done was either ~~was~~ heavy-duty, intensive work, or short-term work but on a very hard material. Several pieces are unifacially flaked at the distal end, forming small endscrapers. In addition to simple edge-modified blades, projectile (probably arrow) points were also manufactured from blades. The platform (proximal) end of the blade formed the distal (tip) end of the point. Starting with this end, the blade was bifacially flaked to form ^{small} side-notched, straight or concave-based points. These are ~~sim~~ symmetrical in outline, but have

a triangular cross-section like the original blade. Flaking is fine, but irregular. In ~~some~~^{most} cases, the original dorsal ridge of the blade is still visible. The original ventral surface may or may not be entirely obliterated. The extreme tip of all of the specimens is truncated - in 2 cases by impact fractures ~~which~~^{which} peeled down one side. The remainder, except for one, are snapped, and the one retains the initial blade platform. One exhibits some drill wear near the tip (unifacial, on opposite faces on the opposing edges). This one is relatively shorter for its width. Cutting wear is not evident ~~at all~~^{macroscopically} on any of them. Hafting wear is not evident in the notches.

Three
~~Three~~ domed scrapers (one fragmentary - 5-17~~8~~, the other ^{two} whole {50-2, 50-3}) were recovered. The fragmentary specimen may have

been manufactured on the distal end of a macro-blade. It is heavily undercut through extensive use. The whole specimens apparently were made on fragments of blade-cores (one proximal, one distal) and are less worn. One other proximal blade-core fragment (50-17) was bifacially flaked at the distal end to form an ^{irregular} ~~straight~~ convex ~~edge~~ edge with possible chopping wear (bifacial ~~flaking~~ scarring & minor battering).

FLINT

A small amount of flint was recovered: several flakes, a chunk, and a ^{thinned} biface fragment (midsection). Except for the latter piece, no retouch or use is evident. The latter may have broken in manufacture.

Platform preparation ^{on} of the cores prior to blade removal was fairly consistent. The overhang remaining after each ^{previous blade produced} removal was ^{generally} removed by crushing, rather than by a series of small flakes. The top surface of the platform was also roughed ^{up} ~~up~~ with another stone, creating striations or an entirely abraded surface. On the exhausted cores, the striations appear in partially overlapping sets around the platform perimeter, indicating that the preparation was restricted to the ^{immediate} area of the blades to be removed. This was done for each section of the core as it was ~~rotated~~ rotated, rather than preparing the entire platform prior to the removal of any blades. The ~~the~~ center of each of the core platforms remains ~~entirely~~ unmodified.

General questions, etc.

- 1) All of the flake / nodule debitage (non-blade tech) is in surface collections (50-2, 50-3). The excavated obsidian is all blade-core technology.
 → Could the flake debitage have resulted from some more recent (historic or modern) activity?
- 2) Where is the obsidian source? The importation of prepared cores might be verified if a trade relationship with the obsidian suppliers could be established ^{or tested} by other means. ~~etc~~
- 3) If obsidian were cheap & / or readily available, the ^{lack of} expertise and non-specialization could be explained in terms of the lack of pressure to 'maximize' or 'optimize' the resource. If it turns out that it was hard to get (distance or politics/economics), then maybe my assessment of their skill is wrong and needs to be reviewed (P. sheets, CE/M ratio).

Site 123

①

Site 123 contains very little in the way of core-blade technology remains; only a minor portion of the assemblage are blades, and no blade-cores were recovered.

The largest part of the assemblage consists of small flake fragments, about $1/2$ of which are secondary, the other $1/2$ interior. Very few are diagnostic of anything: There ~~are~~ ^{is} no ~~app~~ consistent breakage pattern apparent, none have ^{secondary} retouch or macro-use wear.

The few whole flakes present are also ~~a~~ secondary & interior ~~flake~~ in about equal proportions. Minor retouch is evident on several of the larger ones. Several core ~~fragments~~ fragments without cortex are present, most of which show some evidence of use. This is sporadic, but heavy-duty unifacial wear & crushing. No formal tool shape is reconstructable from these fragments. It would appear that they

were ^{flake-}cores or fragments which were used if they had a good edge on them. The utilized edges are of variable shape and angle.

The blades which are present show some retouch (unifacial) and macro-wear, similar to site 50. The blade sample is so small that no generalizations can be made regarding their production, modification, or use.

The cortex of the flake & fragmentary debitage is the same as that of the angular pebbles of obsidian recovered. It appears that they derive from these small nodules, which were apparently broken into chunks for use (the informal tools mentioned above).

One obsidian blade fragment (B3B-2) is of a light translucent grey streaked obsidian quite different from the standard black opaque, translucent ~~matte~~ obsidian. This was probably

from a different source, perhaps rare and hard to obtain.

Several pieces of chert were recovered:
3 ~~3~~ flake fragments, and a core fragment.
Three different ~~chert~~ types are represented.
None appear to have been used as tools.

It would appear here too, that there was some kind of spontaneous, unspecialized tool production, but what the particular reduction strategy and tools produced are, is ~~in doubt~~ ~~in doubt~~. It appears as if blade manufacture ~~was~~ was not practiced. Rather, small ~~small~~ angular river pebbles were selected and randomly broken or flaked to produce irregular small core tools with ~~usable~~ usable edges. No particular preparation for flaking is apparent.

Possibly, the pebbles were simply crushed or smashed to ~~break~~ break them open.

Comparison

Site 123 & Site 50

①

Obviously, the handling of obsidian in the 2 sites was considerably different, in technique, ~~as and~~ possibly quantity, and probably purpose.

It may be that 123 was dependent on 50 for the few blades they were able to obtain, but ~~obsidian~~^{blade} trade does not seem to have been very extensive. This is

indicated ~~both~~ by the low proportion of blades in 123 and the ~~unspecialized~~^{informal} nature of the blade production techniques in 50. Probably the vast majority of blades produced in 50 were also consumed in 50. The population of 123 had to make do with very basic production technology - they seem to have been totally without knowledge ~~of~~^{of} core preparation techniques, or else had nothing available to them that was larger than the small ^{river} pebbles.

Hypothesis

The latter case ~~seems~~ seems to be more reasonable. If ~~was~~ the only obsidian locally available was the small pebbles, then access to suitable large cores was probably tied to ~~access~~ its availability through trade. If this is true, 50 probably had access through trade; 123 did not, either directly from the source, or through 50 to any great degree. Therefore, the only ^{available obsidian} ~~source~~ was the river pebbles, for which the most appropriate 'reduction strategy' was simply smashing them ~~thru~~ and selecting the pieces with good working edges. This hypothesis is easily tested with geological data and information on trade relationships based on other data.

This hypothesis also serves to explain the presence of ^{the minor} ~~the~~ amount of small flake debitage in site 50 similar to the 123 assemblage. Since large obsidian was obtainable, ~~on~~ the use of river pebbles ~~for~~ was minimal but did occur occasionally.

Others.

Using 123 and 50 as extreme examples,

Sites 123 & 50 are apparently extreme examples of differences ⁱⁿ ~~and~~ chipped stone technology. La Sierra, on the basis of

a smaller sample, ~~appears~~ resembles

50 very closely. The majority of artifacts

recovered are prismatic blades, many

of which have ~~re-~~ unifacially retouched

~~edges~~ and/or utilized edges. The width of

these blades is more variable, but

even the largest are not macroblades,

but were produced nearer to the

exhaustion of the core. One longitudinal

blade-core fragment is present, of which

one edge was bifacially flaked to be re-utilized as a tool.

Five

~~thinner~~ different chert types are present,

each represented by one chunk or

flake. One of the pieces, a ^{very} coarse

chert, is a blade, but not prismatic.

From Alus II and El Molino, only two pieces each were recovered, all small flake fragments. One of them

One from Alus II is a prismatic blade fragment; the other is unidentifiable.

Both from El Molino are ~~flake~~ secondary flake fragments. The number of pieces recovered is too small to generalize from.

STONE +

OBSIDIAN SUMMARY

9

LOT	Core	Blade	Flake	Nodule	Debrisage	Point	Other	Tot
2A-8		1						1
2A-13		1	1					2
2G-3		1	1					2
2G-4		4						4
101A-1			4				1 red, fine-grained stone, unworked; nodule(?)	5
50-9		2				concave base 1 side notched		3
2C-3			1					1
2E-3		3						3
121A-1	4 pieces (1/4" x 1/4" x 1/4") in with Sando Dango Lot.							
123A-1	3 (FRAG.)	18	25	6	31		13 chunks	344
NOTE	5 Flakes	1 chunk	Removed	For Neutron Activation		ANALYSIS:		
50-2	6	70	31	2		2 concave base 1 flake 3 side notched	2 1 looks like min. natural core 1 looks like blade with step hinge. Exact.	14
2A-9		2	1					3
50-13		1	8					9
50-3	2	77	57	7	2	2		137
50-14	2	21	4				2 chert (?) flake 1 chert (very light?)	37
50-1	2	5	4			1	17 Brown flake w/ cortex. Fine interior texture	10
50-4	3	30	14	1	-	3	4 2 flakes app. concs 2 small nodules 100% chert. 55	55
123A-2			14	1			2	15
1D-8	1							
2D-10				1			1 nodular flake 100% chert	2
2E-1								2
2A-12			1				1	2
								1

STONE + Obsidian Summary

Loc	CORE	BLADE	FLAKE	Nodule	Debitage	Point	Other	Total
123B-1			1					1
3C-1	2	14	6				1 chunk	23
123A-2		2	12	1			3 small chunks	18
123C-3		2	2					4
2D-14		2						2
123C-2			2				1 piece of obsidian	3
123C-5			2				1 piece of obsidian	3
123C-4		1						1
2D-13			1	1				2
123D-1		1	8				1 piece of obsidian	10
2D-12		10	8				1 piece of obsidian	19
2D-11	1	1						2
2D-10								
2D-9								
2D-8								
2D-7								
2D-6								
2D-5								
2D-4								
2D-3								
2D-2								
2D-1								
2D-15								
2D-16								
2D-17								
2D-18								
2D-19								
2D-20								
2D-21								
2D-22								
2D-23								
2D-24								
2D-25								
2D-26								
2D-27								
2D-28								
2D-29								
2D-30								
2D-31								
2D-32								
2D-33								
2D-34								
2D-35								
2D-36								
2D-37								
2D-38								
2D-39								
2D-40								
2D-41								
2D-42								
2D-43								
2D-44								
2D-45								
2D-46								
2D-47								
2D-48								
2D-49								
2D-50								
2D-51								
2D-52								
2D-53								
2D-54								
2D-55								
2D-56								
2D-57								
2D-58								
2D-59								
2D-60								
2D-61								
2D-62								
2D-63								
2D-64								
2D-65								
2D-66								
2D-67								
2D-68								
2D-69								
2D-70								
2D-71								
2D-72								
2D-73								
2D-74								
2D-75								
2D-76								
2D-77								
2D-78								
2D-79								
2D-80								
2D-81								
2D-82								
2D-83								
2D-84								
2D-85								
2D-86								
2D-87								
2D-88								
2D-89								
2D-90								
2D-91								
2D-92								
2D-93								
2D-94								
2D-95								
2D-96								
2D-97								
2D-98								
2D-99								
2D-100								

OBSIDIAN INVENTORY

2A - 8

-16

-13

~~2B~~

2C - 3

2D - 8

-14

-16

-20

2E - 3

-6

2F - 1

2G - 3

-4

3A - 1

3B - 1

3C - 1

50 - 1

-2

-3

-4

-9

-14

-17

101 A - 1

123 A - 1

123 B - 1

-2

123 C - 2

-3

-4

-5

123 D - 1

El Molino

LIST OF OBSIDIAN *My List, with Descriptive Information*

LIST OF OBSIDIAN SENT TO JOHN HENDERSON

All labels are cut from press-apply labels, and are coated with nail polish. They are easily removed.

Period I

Lot: 123 R/5A a) 1 flake with cortex; b) 1 flake without cortex
123 R/8 2 flakes with cortex

Period I Total = 4 pieces

Period III-A

Lot: 123 F/3 1 flake with cortex
123 F/5 1 "chunk" with cortex

Period III-A Total = 2 pieces

Period III-B

123 K/1 a) 1 "chunk" with cortex; b) 1 flake, used; c) 1 flake, or possible blade fragment, with hinge fracture, poss. use
123 K/2 a) 1 flake, very small; b) 1 proximal blade fragment, use both edges
123 L/1 a) 1 small flake with cortex; b) 1 large flake with cortex, use wear

~~Period III-B Total = 3 pieces~~

123 M/2 1 flake, or poss. blade fragment, with cortex on platform

123 O/3 a) 1 flake, or possible core fragment, used; b) 1 proximal blade fragment, used; c) 1 proximal blade fragment, used both edges

Period III-B Total = 10 pieces

Period IV

111 E/2 a) 1 blade fragment, mid-section, heavy use both edges

111 F/3 a) 1 flake with cortex; b) 1 blade mid-section, use both edges, 1.5 cm wide, 0.4 cm thick, 1.4-1.6 cm long

116 C/1 a) 1 flake with cortex; b) 1 blade mid-section, possible light use one edge, color and texture of obsidian gray with poss. small bubbles; 1.5 cm wide, 0.25 cm thick; c) 1 blade, heavy use both edges, poss. retouch, mid-section, 1.1 cm wide, 0.4 cm thick, 1.6 cm long

c) 1 proximal blade fragment, heavy use one edge, both upper and lower surfaces, blade is oddly mishapen, sort of wasp-waisted, max. dimensions 1.1 cm wide, 0.3 cm thick, 2.2 cm long max.

116 C/4 a) 1 blade mid-section, use one edge, heavy use and possible retouch on other, 1.5 cm wide, 0.4 cm thick, 1.6 cm long

b) 1 blade mid-section, light use one edge, light to heavier on other, and modern chip, 1.2 cm wide, 0.3 cm thick, 2.1 cm long maximum

c) 1 "microblade" (?) mid-section, very light use one edge, 0.7 cm wide, 0.25 cm thick, 1.35 cm long max.

116 F/1 a) 1 irregular flake with cortex; 1 proximal blade fragment, abraded platform, use both edges, 0.9 cm wide at platform, 1.9 cm wide at break, 0.2 cm thick at break, 0.4 cm wide at platform, 0.4 cm thick at platform, 2.2-2.5 cm long

116 G/3 a) 1 proximal blade fragment, abraded platform, light use one edge, heavier, but still light, on other, 1.2 cm wide at break 0.8 cm at platform, 0.3 cm thick at break, 2.7 cm long

206 A/1 a) 1 irregular flake, striped gray; b) 1 flake with cortex, some possible use; c) 1 blade mid-section, use on one edge, other essentially vertical, 1.1 cm wide, 0.35 thick, 0.9 cm long

1.4 cm wide,
6.3-0.35
cm thick
2.8 cm
long

one edge
very straight
almost
vertical

Period IV Total = 14 pieces

These Per. IV materials have a few modern chips from improper packing.

Period V-A

- 111 I/1 a) 1 proximal blade fragment, abraded platform, use both edges, though one is slightly heavier, 1.6 cm wide max., 0.3 cm thick, 2.9 cm long
b) 1 blade mid-section, use both edges, possible retouch/blunting on one edge, 1.8 cm wide 0.25 cm thick, 2.8 cm long, a very flat, thin blade
- 116 B/4 1 irregular blade, apparently whole, abraded platform, apparent cortex on distal end upper surface, possible light use on irregular edge, straighter edge (no cortex has use on lower side
- 120 F/6 1 proximal blade fragment, abraded platform (can see striations), irregular on one side near platform, possible use on irregular edge, use on other, platform on lower side seems battered, 1.4 cm wide max, 0.3 cm thick, 2.2 cm long
- 203 H/3 1 blade mid-section, used both edges, one on upper face other on lower, 1.3-1.45 cm wide 0.4 cm thick, 1.6 cm long

Period V-A Total = 5 pieces

Period V-B

- 116 B/1 1 proximal blade fragment, abraded platform, apparent light use both edges, 1.3 cm wide, 0.25 thick 1.2 long
- 120 B/2 1 blade midsection, heavy use both edges, possible retouch one edge, 1.3 cm wide, 0.4 thick, 2.4 long
- 145 B/2 1 blade mid-section, apparently unused, 1.3 cm wide, 2.5 thick, 1.1 long
- 145 D/2 1 proximal blade fragment, platform striated, probable light use both edges, bulb area battered, max. width 2.2 cm, 0.4 cm thick at break, 2.6 cm long
- 155 C/1 1 distal blade fragment, or possible core fragment, several surfaces seem "etched," (possible cortex?), 2.1 cm long, 1.4 wide max., 0.4 thick (what this piece is is unclear to me; it curves like a distal blade, but seems to have a bulb of percussion, yet no clear striking platform
- 155 F/2 1 proximal blade frag., abraded platform, bulb of percussion flaked off, underside has several large chips removed, moderately heavy use both sides one edge, underside of other edge, where use seems to have taken place after blade broke and/or chips were removed from the underside, 1.5 cm wide max., 0.3 cm thick, 2.8 long
- 176 C/1 1 proximal blade frag., abraded platform, poss. extremely light use on one edge, but essentially appears unused, 0.9 cm wide, 2.5 cm thick max, 3.5 long max.
- 176 F/1 1 flake with cortex, apparently unused

- 177 C/1 1 blade fragment, mid-section?, light use one edge, heavier on other; one end seems chipped and blunted, to make a scraper? or from use?; 1.35-1.5 cm wide, 0.45 thick, 2.1 long
- 177 D/1 1 blade mid-section, used both edges, with either very heavy use or deliberate notching at one point on each edge, and one broken edge used after breaking; 1.4 cm wide max., 0.5 thick, 2.8 long max.
- 209 C/1 1 blade fragment, near distal end, light to moderate use both edges; max. width 1.4 cm, min. 0.8 cm, 0.3 max. thickness, 3.1 long

Period V-8 Total = 11 pieces

Period VI (General)

- 159 A/3 1 flake or irregular blade fragment, small amount of cortex on distal end argues for flake status, moderate use on lateral edges; 1.1-1.9 cm wide, 0.5 cm max. thickness, 1.8-2.55 cm long

Period VI-A

- 120 H/1 1 proximal blade fragment, abraded platform, moderate to light use both edges, both surfaces; 1.6 cm wide at broken edge, 0.4 cm thick, 3.25 cm long
- 158 C/1 a) 1 blade mid-section, light use both edges; 1.4 cm wide, 0.3-0.4 cm thick, 2.9 cm long; obsidian is grayish with opaque striations
b) 1 possible core fragment, or thick, irregular blade, pointed on one end, rounded on other; 1.5 cm max. width, 0.6 cm max. thickness, 3.9 long; heavy use and possible deliberate chipping or retouch on both edges and surface
- 215 A/1a) 1 blade mid-section, moderate use both edges; 1.5 cm wide 0.2 thick, 22.2 cm long one edge, 3.2 on other; blade is now broken on one end, with ca. 0.8 cm broken into 3 pieces
b) 1 possible mid-section of a macroblade, very battered all over, possible use marks on some edges; 2-2.0 cm wide, 0.6 thick max., 1.5 long max.
- 215 B/2 a) 1 proximal blade fragment, abraded platform, very light use one edge, light to moderate on other; 1.4 cm max. width, 0.4 cm thick, 2.5 long
b) 1 blade mid-section, broken into a triangular shape, possible light use one edge; 1.0 cm long on unbroken edge, 0.3 thick, 2.35 cm wide
- 215 C/2 1 microblade mid-section, apparently unused, although there are a very few light possible use chips along one part of one edge; 0.8 cm max. width 0.35 min. width, 0.25 max. thickness, 2.4 cm long

Period VI-A Total = 8 pieces (11 if all 4 parts of broken blade are counted)
The pieces from Per. VI-A have modern chipping from improper packing.

Period VI-B

- 110 A/1 1 "chunk" or irregular thick flake, with cortex; roughly 1.5 x 1.1 x 0.4 cm thick

PER. I

OP-LOT

123 R / 5A

123 R / 8

Pieces

2 (flakes / chunks)

2 (flakes / chunks)

4

PER. III - A

123 F / 3

123 F / 5

1

(1 flake w/cortex; 1 chunk w/cortex)

1

2

PER. III - B

123 R / 1

123 K / 2

123 L / 1

123 O / 3

123 N / 2

3

(2 flakes; 1 chunk w/cortex)

2

(1 blade; 1 flake)

2

(2 flakes w/cortex)

2

(1 blade, much used; 1 flake, much used)

1

(1 flake w/cortex)

10

PER. IV

111 E / 2

111 F / 2

116 C / 1

116 C / 4

206 A / 1

1 (blade frag)

3 (2 blades; 1 chunk w/cortex)

4 (3 blades; 1 chunk w/cortex)

5 (blades)

3 (1 blade; 1 flake w/cortex; 1 flake w/o cortex)

16

PER. IV-A

111 I/1	2 (blades)
116 B/4	1 (blade w/ cortex)
120 F/6	1 (blade)
203 A/3	1 (blade)

5

PER. IV-B

116 B/1	1 (blade)
120 B/2	1 (blade)
145 B/2	1 (blade)
145 D/2	1 (blade/flake)
155 C/1	1 (flake/blade, w/ cortex)
155 F/2	1 (blade)
174 C/1	1 (blade)
174 F/1	1 (flake, w/ cortex)
177 C/1	1 (blade)
177 D/1	1 (blade)
209 C/1	1 (blade)

11

PER. ~~V~~ (general)

159 A/3	1	(flake w/cortex)	1
	<u>1</u>		

PER VI - A

120 H/1	1	(blade)	
158 C/1	2	(blade; flake/blade)	
215 A/1	2	(blades)	
215 B/2	1	(blade)	
215 B/4?	1	(blade)	
215 C/2	<u>1</u>	(blade)	

8

PER. VI - B

110 A/1	1	(flake w/cortex)	
110 E/1	1	(flake w/cortex)	
159 A/4	4	(3 blades; 1 flake/blade w/cortex)	
186 B/2	1	(blade)	
186 B/3	1	(blade)	
197 C/1	2	(blades)	
202 A/1	2	(blades)	

12

pg. TOTAL 21

Grand total 69