

LITHIC ANALYSIS CODES - APELS

SPECIMEN NUMBER/ID:

PROVENIENCE:

COUNT - enter number (no code)

TECHNOLOGICAL CLASS

0 = missing data

1. Core (≥ 3 flake removals, with negative bulb)

1.1. Levallois/Disc.

1.2. flake Cores

1.3. blade/Bladelet Cores

1.4. bifacial Cores

2. rejuvenation Pieces

3. flakes

4. blades, prismatic

5. bladelets, prismatic ($< 12\text{mm}$).

6. chunks/others (< 3 flake scars, proximal end)

7. biface

8. orange segment

SIZE

0 = missing data

1 = < 2 cm.

2 = 2 - 4 cm.

3 = 4 - 8 cm.

4 = > 8 cm.

CORTEX

0 = missing data

1 = 0 - 10% [includes no cortex]

2 = 10-50%

3 = $> 50\%$

PLATFORM

0 = none

1 = cortical

2 = plain or punctiform

3 = prepared - dihedral or faceted

4 = bifacial platform

5 = missing value or N/A

ROUNDING OF DORSAL RIDGES [ABRASION]

0 = missing data

1 = absent

2 = present

EDGE DAMAGE [EDGE_DMG]

0 = missing data

1 = no

2 = $< 25\%$ of the edge

3 = $> 25\%$ of the edge

FRACTURES [FRACTURES]

0 = missing data

1 = whole (0-20% missing)

2 = fragmented ($> 20\%$ missing/ $< 80\%$ of piece)

RAW MATERIAL TYPE

0 = missing data

1 = flint/chert

2 = limy chert/Cherty lime

3 = igneous, fine-grained

4 = igneous, coarse-grained

5 = quartzite

6 = other

BLADE SECTION

0 = missing data

1 = trapezoidal

2 = triangular

3 = irregular

RETOUCHED TOOL TYPES

0 = missing data

1 = microburin

2 = sidescraper (Uniface)

3 = denticulates/Notches

3.1 = denticulate

3.2 = notch

4 = Mousterian point

5 = endscraper

6 = burin

7 = perforator (awl- or punch-like)

8 = truncations

9 = backed Pieces (blade technology)

10 = geometrics

10.1 = trapeze

10.2 = triangle

10.3 = rectangle

10.4 = lunate

11 = backed point

12 = drills

13 = projectile points

14 = retouched flakes

15 = blade/bladelet with marginal retouch

16 = blade/bladelet with invasive retouch

17 = non-projectile point biface

RETOUCH MODE

S = simple

A = abrupt

P = flat

Db = Helwan (bifacial backed)

SE = stepped

B = bifacial

SHEEN

1 = no

2 = yes

LITHIC ANALYSIS ATTRIBUTES - NOTES

ROUNDING OF DORSAL RIDGES (surface abrasion)

- only noncortical

TECHNOLOGICAL CLASS

- 1.2. Flake Cores - amorphous, unprepared
- 1.4. Bifacial Cores - biface off of which flakes are struck for flakes
2. Rejuvenation Pieces (Includes crest blades, core tabs, face rejuvenation flakes)
 - face rejuvenation flakes - change of direction in flake cores (or, looks like a piece of a core)
6. Chunks/others (< 3 flake scars when compared to a core)
 - flake scars have no initiations at proximal end
 - piece has no interior surfaces (as a flake would)

CORTEX

- 1 = 0 - 10% [includes no cortex]

PLATFORM (= whole proximal end)

- 0 = none - if broken, or otherwise not there
- 1 = cortical (w/ cortex; unprepared raw material)
- 2 = plain or punctiform (single platform; little preparation; pointed at end - pressure technology)
- 3 = prepared - dihedral or faceted (includes both 2 and > 2 platforms on whole surface, not just the striking point) - "prepared" includes any kind of modification, but only on platform, not on biface

EDGE DAMAGE (Mechanical Action)

- non-use related (may also be use-related); irregular, alternating or sporadically bifacial
- don't count if need glass to see it
- does not include breaks that make it a fragment
- for figuring percentage, figure lateral and distal edges only, and non-broken edges only
- do not use missing data code for edges missing due to fracture, as any broken edge may have broken in production

FRACTURES

- 1 = Whole (0-20% missing)
- 2 = Fragmented (> 20% missing/< 80% of piece)

RAW MATERIAL TYPE

- 1 = Flint/Chert (good quality material)
- 2 = Limy chert/Cherty lime (local material of variable quality)
- 3 = Igneous, fine-grained (obsidian, basalt)
- 4 = Igneous, coarse-grained (basalt, rhyolite)

COUNT (number of pieces)

BLADE SECTION

- prismatic only

RETOUCHED TOOL TYPES

- 2 = Sidescraper (Uniface) - invasive retouch > 2 mm.
- 13 = Projectile Points - hafted biface
- 14 = Retouched Flakes (purposeful or use retouch - irregular or slight)
 - consistently invasive flake scars, ≥ 2 mm. invasiveness (scar depth itself, not from edge)
- 17 = non-projectile point biface -evidence of hafting is not there

SCALE FOR SIZE GRADING AND MEASUREMENT

