

Analysis of Flints
Relative to Flintworking Techniques
the primary step in the study of
flint working, and surface character of
stone objects and does not concern
FORM

MATERIALS

TYPE OF STONE

- 0 Flint and Flint-like materials (silica forms)
- 5 Opal
- 1 Obsidian
- 2 Ignimbrite
- 7 Chalcedony
- 8 Horn Stone
- 9 Jasper
- 10 Agate
- 11 Petrified Wood
- 4 Lava
- 3 Rhyolite BASALT
- 12 Quartzite
- 13 Silicified sediments
- 14 Quartz Crystal

~~FLINT~~

GRADE

DESIREABLE
UNDESIREABLE

- Cleavage Plane
- Inclusions
- Vesicles
- Crystal Pockets
- Under Stress and Strain

SOURCE

CRACKS
CHECKS

- Quarries
- COBBLES
- Veins
- Ledges
- Surface & ECT

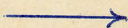
TEXTURE

- Luster
- Granular

Color

FINE
MEDIUM
COARSE

FLAKES
CHIPS
SPALLS



Portions of material detached by percussion or pressure or both from a core or a larger piece of material than the original flake.

- 1 MAN
- 2 HOOFED ANIMALS

3 By Elements natural expansion, contraction and diastrophism

Internal Pressure

Tides

Talus

Waterways

Thermal Fractures

EXFOLIATION

DEHYDRATION

EXPANSION & CONTRACTION

Forest Fires

Range Fires

Overheated in Household Fires

FLAKES

1 Micro Flakes Fine retouching, notching and serrating

CHANNEL FLAKE

2 Small

Blades (Prismatic)

Parallel Sides

3 Medium

Specialized Flakes

One Dorsal Ridge

Two Dorsal Ridges

4 Large

Micro Blades

Burin Blades

Short - length = width

SIDESTRUCK FLAKES

Medium - two times length = width

UNIFACE EUROPEAN

Long - three times length = width

Extra Long - four or more times the length equal width

1 Thin

HINGE
REVERSE HINGE
ERRILLURE

?

2 Normal

3 Thick- tabular

Right angular sides

Sections of cleaved flakes

Sections of pebbles

Sections of cobbles

Sections of nodules

QUARRY MATERIAL
BURIN FLAKES

Straight

2 Curved

- PRECISION

3 Spiral

One Dorsal Ridge

Two or more Dorsal Ridges

Proximal End

- Size of Platform
- Preparation of Platform
- Character of bulb or pressure or percussion
- Direction of force scars (Striations)
- Presence of bulbar scar
- Angle of Platform ORDER OF FLAKING
- Polished
- Abraided

Distal End

- Feather Edge
- Hinge Fracture
- Undulations STEP FLAKE
- Shock Fracture
- End Character

Planned Thermal Treatment

ONLY QUARTZ FAMILY

- Heated COLOUR CHANGE (CORTEX) FOR IDENTIFICATION
- Unheated
- Overheated Crazed
Checked, potlids EXFOLIATION
no bulbs of force

Cores

All flaked stone artifacts are cores if the surface of one or more sides are covered with flake scars. Cores will produce flakes and blades

- Conical
- Cylindrical
- Rectangular
- Uniface (turtle back) NOT EUROPEAN
- Biface
- Multiface
- Utilized Cores

CHARACTERISTIC GROUPES
↓
ASSEMBLAGES

METHOD TYPOLOGY

Surface:

Dorsal
Ventral

Irregular (Random) PREFORM
Regular

Relative to length →

Wide
Medium
Narrow

Number of flakes per inch →

Parrallel RIGHT ANGLE
Oblique
Double oblique
Chipped from one edge only
Order of flake removal

← Radial scars indicate direction of force

Angle
Thinning
Hinge Fractures
Ripple
Released at center
Depth of flutes
No flutes
Bulbs of force
Unflaked Surfaces

← With ^{FLATS} flint, indicative of thermal treatment

Edges:

CAN INDICATE FUNCTION

Irregular
Regular

BEVEL
Sharp
Dull
Sinuuous
Alternating
Ground
Polished
Serrated

deep
shallow
regular MEDIUM
manner of removal

Basal Aspects

Thinning
Fluting
Grinding
Polishing
Hafting technique or notching

crushed
One side
Both sides
Alternate

Serrated as tool is retouche

side
corner | narrow
basal ← wide
concave
convex
straight
recurved

Preparation ↗
Single Flakes on both sides
Multiple flakes on both sides
Widening of notch after narrow opening

SPECIALIZED HAFTING
SHOULDERED

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MATERIAL
TOOLS

METHOD TYPOLOGY

