ANALYSIS OF FLAKES RELATIVE TO FLINTWORKING TECHNIQUEST

Annual Control of the Control of the

Primary steps in the study of flintworking and surface character of stone artifacts

Outline does not deal with form

Outline does not deal with form MATERIALS: ISOTROPHE TYPE OF STONE Flint and Flint-like Materials (silica forms) SILEX CHENT SIKEX Obsidian CHARL CHALK FLINT Ignumbrite LIMESTONE FLINT Rhyolite (basalt) MOSTLY HOMOGENEOUS CRYPTO GRYSTALINE Lava VARIETIES OF QUARTZ Opal Chalcedony Hornstone RESIDUAL CLAYS. Jasper Agate Petrified Wood Dog alge costs comertial dande & setaplingsoul found stones Quartsite Silicified Sediments Quartz Crystal GLASS, STARCH RESIN CONDTAR, ICE Desirable GRADE Undesirable Clevage Plane Inclusions Vesicules Crystal Pockets Under Stress and Strain Cracks Checks SOURCE Quarries

Quarries
Cobbles Allovium GLACIAL TILL
BOKAN ISEACHES
HALOVIAL FANS
Surface, etc.
RIVER BEDS

Ce. 31. 3.3 W

TEXTURE Luster DUIL MAIT Granular BRIGHT. Fine Medium MIGHT TRANSMITION OPAGOETO Course THAMS PARENT COLOR SIZE FLAKES

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

DETACHED BY:

MAN

CHIPS

SPALLS

HOOFED ANIMAL

ELEMENTS

Natural expansion, contraction & diastrophism

INTERNAL PRESSURE

Exfoliation

Dehydration

Shrinkage

Expansion and Contraction

EXTERNAL PRESSURE

Earth Movement

Ice and Ice Movement

TIDES

TALUS

WATERWAYS

THERMAL FRACTURES LAVA FLOWS

Forest Fires Range Fires

Overheated in Household Fires

FLAKES

PERCUSSION, PRESSURE OR BOTH

MICRO FLAKES

Fine retouching, notching and serrating

Small

Medium

Large

Specialized Flakes

Parallel Sides
One Dorsal Ridge
Two Dorsal Ridges

Blades (Prismatic) (Micro)

Micro Blades

Burin Blades

Sidestruck Flakes

Uniface, European Channel Flakes

Hinge

Reverse Hinge

Erailure

Short: Length = Width

Medium: 2 x Length = Width

Long : 3 x Length = Width

Xtra Long: 4 or More x Length = Width

Thin

Normal

Thick - Tabular

Right angular sides

Sections of cleaved flakes

Sections of pebbles Sections of cobbles Sections of nodules

Straight

Curved

Spiral

One Dorsal Ridge

Two or More Dorsal Ridges

Dorsal

Source

Shape of Flake

Ventral

Blade Technique

Possible Heat Treatment

```
proximal End
```

Size of Platform

Preparation of Platform

Character of Bulb or Pressure or Percussion (Erailure) DISFUSED BULB

Direction of Force Scars (Striations)

Presence of bulbar scar

Angle of Platform

Polished

Abraided

Order of Flaking

Distal End

Feather Edge
Hinge Fracture
Step Flake
Reverse Hinge
Undulations
Shock Fracture
End Character

Planned Thermal Treatment (Quartz Family)

WITH MATERIALS

Heated Unheated Overheated

Color change (Cortex) for identification

Crazed Checked, potlids, exfoliation No bulbs of force

Cores

R11 flaked stone artifacts are cores if the surface of one of more sides are covered with flake scars. Shape will help indicate technique

Conical
Cylindrical
Rectangular
Uniface

Turtle back, not European

Biface Multiface Utalized Cores

METHOD TYPEOLOGY

SURFACE Dorsal Ventral Irregular - Random(Preform) Percussion & Indiscriminate Pressure Regular Wide Medium Relative to length Narrow Parallel (Right Angle) Oblique Double oblique Number of flakes per inch Chipped from one edge only Order of Flake Kemoval Radial Scars indicate direction of force Angle Thinning Hinge Fractures Ripple Released at Center Depths of Crests and troughs No Flutes Bulbs of Force DISFOSEP BULBS Unflaked Surfaces With flats, indicat of Thermal treatmen Edges Can indicate function Irregular Regular Beveled Sharp

Dull Sinuous Alternating Ground Polished Serrated Deep Shallow Medium Manner of Removal

Crushed One Side Both Sides

> Alternate Serrated as tool is retouced

BASAL ASPECTS

Thinning Fluting

Grinding

Polishing

Hafting Technique or Notching

side

Corner

Basal

Narrow

Wide

Preparation

Single Flakes on both sides

Multiple Flakes on Both Sides

Widening of Notch after Narrow Opening

Concave

Convex

Straight Recurved Specialized Hafting

CROSS SECTION

Convex

Double Convex

Diamond

Strength May Indicate Function

TIPS

Sharpening Methods Direction of Flakes

Burin Flohe

Note:

THE COMPLETED ARTIFACT MAY NOT INDICATE PRELIMINARY STAGES OF MGE,