

Code sheet for Metal **Adze** Database, Ban Chiang Project

Serial_number = unique numerical designator for each artifact

Artifact_ID: excavation abbreviation followed by the small find number/bag number.

For example, BC 0603/0471 = Ban Chiang 1974 excavation; small find number=603; bag number = 471

Site = site where material was recovered

BAN CHIANG BC = 1974 excavation at Ban Chiang by Penn/Thai Fine Arts Department. Excavation abbreviation = BC.

BAN CHIANG BCES = 1975 excavation at Ban Chiang by Penn/Thai Fine Arts Department. Excavation abbreviation = BCES.

BAN PHAK TOP = 1975 excavation by Penn (William Schauffler). Excavation abbreviation = BPT.

BAN TONG = 1975 excavation by Penn (William Schauffler). Excavation abbreviation = BT.

DON KLANG = 1975 excavation by Penn (William Schauffler). Excavation abbreviation = DK.

Small_find_number = small find number assigned in the field or lab

Bag_number = artifact bag number assigned in the field

Artifact_class = small find class

ADZES/TILLERS: implements with cutting edges usually on a splayed flat head with a blade transverse to and in alignment with the axis of the hafting element; all examples are socketed, with both winged and plain symmetrically splayed blades.

Material

Cu-base = copper-base metal

Fe = iron

Bimetallic = copper-base metal and iron

Provenience

Period = regional period

LP-Protohistoric

LP = Late Period

MP-LP = Middle to Late Period

MP = Middle Period

EP-MP = Early to Middle Period

EP = Early Period

Subperiod = the division of the Early Period

upper

lower

Burial_phase = varies by site

Ban Chiang BC and Ban Chiang BCES

X

IX

VIII

VIIIb

VIIa

VI

Vc

Vb

Va

IVc

IVb

IVa

IIIb

IIIa

IIC

IIB

IIa

I

Ban Tong

2

1

Don Klang

4

3

Context = the kind of deposit from which the artifact was recovered during the excavation.

White defines four general categories of context for artifacts from the four sites: (1) deliberately placed in burials; artifacts are called grave goods; (2) near skeletons or in grave fill, but not necessarily grave goods; artifacts are called burial-associated materials; (3) in features of various sorts; and (4) in the general soil matrix.

grave good

burial-associated

feature

feature pdb = possible disturbed burial

general soil matrix

Level = cultural level by excavation locale

BC	BCES	BPT	BT	DK
13	04D	12	09	05
12	04C	11	08B	04B
11	04B	10	08A	04A
10	04A	09	07B	03C
09	03I	08B	07A	03B

08	03H	08A	06	03A
07	03G	07	05	02/03
06	03F	06	04	02C
05	03E	05	03	02B
04	03D	04	03/02	02A
03	03C	03	02B	02/01
02	03B	02	02A	01C
01	03A	01	01	01B
	02H			01A
	02G			
	02F			
	02E			
	02D			
	02C			
	02B			
	02A			
	01A			

Square = excavation square

Quadrant = quadrant of excavation square (Sections are noted in this field.)

Ban Chiang BC and BCES

None
 ALL QUADS
 NEQ
 NEQ SEQ
 NEQ NWQ
 NWQ
 NWQ NEQ
 NWQ SWQ
 SEQ
 SEQ SWQ
 SWQ

Ban Phak Top

None
 SWQ
 SEQ
 NWQ
 NEQ
 North section

Ban Tong

None
 SWQ

SEQ
NWQ
NEQ SEQ
NEQ

Don Klang
WQ
SQ WQ
NQ SQ EQ
NQ EQ
NQ
EQ

Layer = excavation layer

Burial_number = site/locale followed by assigned burial number

Burial_association = vertical relationship of grave good to skeleton

Unclear
Beside skeleton
Beneath skeleton
Above skeleton
Worn by deceased
Found mixed with bones

Location = horizontal relationship of grave good to skeleton

Left
Right
Center
Beyond head
Beyond feet

Body_part = the part of the body upon which or near which the artifact was found

Feature_number = feature number, assigned in the field

Feature_type = feature type

cache
cache of mixed objects
cache—pot

clump
clump of shell
mixed artifact clump

clusters
cluster of animal bone
cluster of miscellaneous human bone
mixed artifact cluster (with crucible)
sherd cluster

discrete finds
 discrete human bone
 discrete small find
 laterite lump
 stone

disturbance
 disturbance—mixed
 insect disturbance

ditch

hearth

pits
 large pit
 medium pit
 small pit

possible disturbed burial

post hole

scatters
 scatter of mixed objects
 scatter of sherds and bone

soil
 sediment feature
 soil feature

Completeness = how much of the artifact is present

unknown
intact
complete but reconstructed
< one half of the original artifact present
> one half of the original artifact present
fragmentary
unclear

Corrosion_level = degree of corrosion; assessment was initially made in the late 1970s and was partially updated in 2001. Left blank if no information was available.

not applicable
cannot tell
no metal present
may be metal present
metal present

Conserved = whether the artifact in 1978 was assessed and conserved by Tamsen Fuller, a Museum conservator

yes
no

Lab_number = conservation lab number assigned

Sampled = whether the artifact was sampled or examined metallographically

blank = not sampled
sampled = sample was cut but not examined, usually because sample was completely corroded.
metallography = cut, mounted, and examined metallographically. Elemental and microhardness tests may also have been performed.

Elemental = whether an elemental analysis was performed on the artifact

yes
blank = no

Hardness = Vickers microhardness results for five tests. Only the range of results for each artifact are given here. More details are in the separate Hardness Ranges database. If no hardness test was performed then the space is blank.

Artifact Description

Type

socketed

Subtype

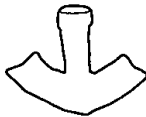
fan-shaped



narrow-blade



winged



other/unknown

Number_of_pieces = number of pieces, recorded in the 1970s

Weight_gm = total weight of piece or pieces in grams. Measurement was made in the late 1970s before analysis.

Maximum_dimension = maximum dimension of object

Intact_length = original length overall (measured parallel with the socket, from the end of the socket the edge of the blade). This field is filled only when the artifact is substantially complete.

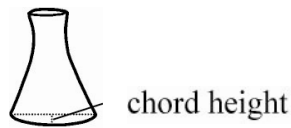
Edge_radius = radius of curvature of edge

Edge_length = original length of edge

Edge_chord_length = original chord (straight line) length of edge



Edge_chord_height = original chord height of edge. Chord height is the distance from a chord line (drawn between the two corners of the blade) to the edge of the blade. See figure.



Waist_width = minimum width of waist

Average_blade_width = average width of wing blade. This measurement is taken only on winged adzes.

Blade_thickness = maximum thickness of blade (except socket)

Outer_socket_diameter = outside diameter of socket

Inner_socket_diameter = inside diameter of socket

Intact_socket_height = original maximum height of socket when the intact artifact is laid flat

Comments