

## Code sheet for Metal **Amorphous** Database, Ban Chiang Project

All measurements are in centimeters unless otherwise noted.

**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

AMORPHOUS = Irregular lumps of metal. Some may once have been part of an object, but most could well be casting splashes or debris resulting from metal smelting or melting; i.e., most do not look deliberately shaped.

**Material** = the material of which the artifact is made

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 in 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

<b>BC</b>	<b>BCES</b>	<b>BPT</b>	<b>BT</b>	<b>DK</b>
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 also 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/description

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

### **Artifact Status**

**Completeness** = how much of the artifact is present

- unknown
- intact
- whole, reconstructed
- greater than half
- less than half
- 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 = appears to be completely corroded  
may be metal present = corroded but there is reason to believe that some metal may be present  
metal present

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

yes  
no

**Lab\_number** = lab number assigned by conservator

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

### **Artifact Description**

**Number\_of\_pieces** = the number of pieces that comprised the artifact in the 1970s, at first recording

**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 in centimeters; if there is more than one piece then the largest piece is measured

**Shape** = the shape that best describes the object

missing  
uncertain  
elongated sphere  
crumbs  
solid rectangle or cube  
irregular  
spherical

conical

**Comments**