

## **Appendix A: Mollusk Data-Recording Protocol**

A. Catalog No. (P. A. Hearst Museum)

B. Site No.

C. Square (grid unit)

D. Level: 1, 0-6"; 2, 6-12"; 3, 12-18"; 4, 24-30"; 5, 24-30"; 6, 30-36"; 7, 36-42"; 8, 42-48".

E. Genus and species

F. Metric attributes: 1, length (mm); 2, width (mm); 3, weight (g).

G. Age determination: 0, unknown; 1, adult; 2, juvenile.

H. Lip thickness (mm); taken on gastropods only. 0, impossible to determine.

I. Number of whorls (g) or growth rings (b).

J. Habitat: 0, unknown; 1, beach sand sloping to reef platform; 2, muddy sand or reef; 3, sand patches on reef; 4, intertidal (rock, coral, trees); 5, intertidal sandy area or coral reef; 6, intertidal area of seaweed or weed-covered rocks; 7, terrestrial; 8, freshwater; 9, muddy shores; 10, mangrove swamp mud; 11, algal symbiotic bivalves on reef.

K. Meat extraction patterns: 1, condition of shell (complete, broken); 2, percentage of shell remaining; 3, area of breakage (bivalves: umbo, hinge, rim; gastropods: lip, apex, columella, spire, body whorl).

L. Other shell modifications: 0, none; 1, burning; 2, grinding; 3, drilled holes; 4, flaked edge; 5, waterworn.

## APPENDIX B: Protocol for New Caledonian Diagnostic Sherd Analysis

**CASE NUMBER (1-7)** The assigned five digit catalog number with the addition of a two place alphabetical notation to account for grouped sherds with one catalog number. E.g. 19481aa, 19481ab, 19481ac, etc.

**SITE NUMBER (8-10)** Numerical site number. E.g. 013, 13a, 014, 026.

**GRID UNIT (11-14)** The alphanumeric grid designation assigned by Gifford in his report. This is shortened to exclude the hyphen. E.g. A1/B1, A2/B2.

**EXCAVATION LEVEL (15-16)** Surface = 00; 0-6 in. = 01; 6-12 in. = 02; 12-18 in. = 03; 18-24 in. = 04; 24-30 in. = 05; 30-36 in. = 06; 36-42 in. = 07; 42-48 in. = 08; 48-54 in. = 09; 54-60 in. = 10; 60-66 in. = 11; 66-72 in. = 12; 72-78 in. = 13

**SURFACE CONDITION (17)** 1 - waterworn, otherwise heavily eroded; 2 - concretions present, waterworn; 3 - not waterworn or eroded

**CARBONACEOUS RESIDUE (18)** 1 - residue present; 2 - residue not present

**SHERD FORM (19)** 0 - indeterminate; 1 - rim with lip; 2 - rim without lip; 3 - lip only; 4 - carination; 5 - body sherd; 6 - handle; 7 - base; 8 - rim plus body; 9 - rim with lip and body

**VESSEL FORM (20-21)** These vessel forms are also given vernacular names. 00 - indeterminate form; 01 - Small Bowls, Cups (diameter < 20 cm); 02 - Large Bowls (diameter > 20 cm); 03 - Collared Bowls; 04 - Flat Bottomed Dishes; 05 - Bowls with Restricted Opening; 06 - Carinated Bowl; 07 - Open Mouthed Jar/Pot; 08 - Open Mouthed Jar/Pot w/Carination; 09 - Open Mouthed Jar/Pot w/out Carination; 10 - Constricted Jar; 11 - Constricted Jar w/Carination; 12 - Constricted Jar w/out Carination; 13 - Lid

**PRIMARY METHOD OF DECORATION (22-23)** 00 - absent; 01 - incised; 02 - dentate-stamped; 03 - parallel paddle-impressed; 04 - appliqué; 05 - non-appliqué nubbins (i.e. reversed punctate); 06 - gouging (to be distinguished by pronounced ridges by lines); 07 -

shell-rocker impressed; 08 - punctate; 09 - notching; 10 - end-tool impressed; 11 - suspension holes; 12 - crenate; 13 - cord impressed; 14 - textile impressed; 15 - painted; 16 - combed; 17 - carved paddle impressed; 18 - shell impressed

**SECONDARY FORM OF DECORATION (24-25)** Coding is the same as above.

**TEMPER TYPE (26-29)** This is taken from Hunt (1989) and is a multi-coded system.; 0 - not determined; 1 - Calcareous sand; 2 - Dark minerals; 3 - Light minerals (quartz); 4 - Shell fragments; 5 - Olivine sand; 6 - Lithic, i.e. rock fragments; 7 - Mica; 8 - grog; 9 - not visible. The first space represents the most frequently found temper, the second space, the second most frequent and so on.

**BASIC RIM FORM (30)** 0 - indeterminate; 1 - vertical; 2 - inverted; 3 - everted; 4 - up-turned everted; 5 - upturned inverted

**RIM THICKENING (31)** 0 - indeterminate; 1 - exterior only; 2 - interior only; 3 - divergent; 4 - parallel; 5 - reduced

**RIM THICKENING POSITION (32)** 0 - indeterminate; 1 - high; 2 - low; 3 - medial

**LIP FORM (33-34)** 00 - indeterminate; 01 - pointed; 02 - rounded; 03 - flat; 04 - flat-rounded; 05 - outward beveled; 06 - inward beveled; 07 - double-beveled; 08 - grooved; 09 - stepped; 10 - aberrant

**RIM DIAMETER (35-36)** 00 - indeterminate; n - rim diameter in centimeters

**LIP THICKNESS (37-38)** 00 - indeterminate; n - lip thickness in millimeters

**MAXIMUM RIM THICKNESS (39-40)** 00 - indeterminate; n - maximum rim thickness in millimeters

**SURFACE TREATMENT (41)** 0 - indeterminate; 1 - slip; 2 - paddled; 3 - wiped; 4 - burnished; 5 - resin; 6 - scraped

**DECORATION POSITION (42)** 0 - absent; 1 - lip; 2 - rim; 3 - rim plus body; 4 - exterior; 5 - interior; 6 - both interior and exterior; 7 - interior/exterior lip; 8 - rim-lip-body; 0 - rim and lip

## Appendix C: Protocol for Technological Analysis of New Caledonian Ceramics

**CATALOG NUMBER** The P. A Hearst Museum catalog number.

**SITE LOCATION** Localities A, B, C.

**EXCAVATION LEVEL** 0, surface; 1, 0-6"; 2, 6-12"; 3, 12-18"; 4, 18-24"; 5, 24-30"; 6, 30-36"; 7, 36-42"; 8, 42-48"

**SHERD TYPE** 1, body; 2, base

**SHERD THICKNESS** Measured in millimeters.

**EXTERIOR COLOR: HUE** 0, undetermined; 1, 5R; 2, 7.5R; 3, 10R; 4, 2.5YR; 5, 5YR; 6, 7.5YR; 7, 10YR; 8, 2.5Y

**EXTERIOR COLOR: VALUE** Numeric code from Munsell Soil Color Charts.

**EXTERIOR COLOR: CHROMA** Numeric code from Munsell Soil Color Charts.

**INTERIOR COLORS (HUE, VALUE, CHROMA)** As above for exterior color.

**HARDNESS** Coded using Moh's scale. 0 = undetermined.

**CORE TYPE** 0, undetermined; 1, complete oxidation; 2, complete reduction; 3, partial oxidation; 4, external oxidation; 5, internal oxidation; 6, core at surface, exterior/interior undeterminable; 7, core at sides, interior oxidation

**CORE MARGIN** 0, undetermined; 1, discrete; 2, blended; 3, well-defined; 4, no core present

**CORE THICKNESS** 0, undetermined; 1, no core; 2, core < 1/3 of total cross section; 3, core 1/3 to 2/3 of total cross section; 4, core > 2/3 of cross section

**FIRE CLOUDING** 0, undetermined; 1, present, exterior; 2, present, interior; 3, absent

**POROSITY** 0, undetermined; 1, compact; 2, medium; 3, highly porous

**SURFACE TEXTURE** 0, undetermined; 1, fine-smooth; 2, medium; 3, coarse-rough

**SURFACE FINISHING** 0, undetermined; 1, eroded; 2, wiped, striations; 3, impressed paddle; 4, burnishing, luster

**METHOD OF MANUFACTURE** 0, unde-

termined; 1, anvil impressions present; 2, evidence of coils present

**INCLUSION TYPE** (4-digit system after Hunt [1989]). Codes: 1, calcareous sand; 2, black/dark minerals; 3, light minerals (quartz); 4, shell fragments; 5, olivine sand; 6, lithic fragments; 7, mica; 8, grog; 9, inclusions absent

**INCLUSION SIZE** 0, undetermined; 1, fine particles (< 0.5 mm); 2, medium particles (0.5-1.5 mm); 3, large particles (1.5-2 mm)

**INCLUSION DENSITY** Determined after Bennett (1974)

**FRACTURE PROFILE** 0, undetermined; 1, jagged edge; 2, smooth break

**PITTING** 0, undetermined; 1, present; 2, absent

**WEATHERING** 0, undetermined; 1, sharp edges and/or intact surfaces; 2, weathered, rounded edges and/or eroded surfaces

**RESIDUE** 0, undetermined; 1, absent; 2, carbon residue present; 3, concreted sand; 4, concreted sand and shell fragments; 5, carbon residue and sand

## Appendix D: Protocol for Analysis of Lithic Materials

**CATALOG NUMBER** P. A. Hearst Museum catalog number.

**SITE LOCATION** Areas A, B, C.

**GRID** Gifford and Shutler field code.

**LAYER** 0, surface; 1, 0-6"; 2, 6-12"; 3, 12-18"; 4, 18-24"; 5, 24-30"; 6, 30-36"; 7, 36-42"; 8, 42-48"

**MATERIAL TYPE** 0, not determined; 1, chert; 2, obsidian; 3, quartz; 4, chalcedony; 5, basalt; 6, andesite; 7, shale

**MATERIAL COLOR** After Munsell Soil Color Charts (1988).

**SPECIMEN TYPE** 0, not determined; 1, diagnostic flake; 2, non-diagnostic flake; 3, shatter; 4, core; 5, waterworn pebble

**DORSAL CORTEX** 0, not determined; 1, 0-25%; 2, 25-50%; 3, 50-75%; 4, 75-100%; 5, absent

**LOCATION OF CORTEX** 0, not determined; 1, striking platform; 2, dorsal; 3, platform and dorsal

**EVIDENCE OF BURNING** 0, not determined; 1, present; 2, absent

**IMPURITIES IN THE STONE** 0, not determined; 1, vesicles; 2, fissure; 3, inclusions; 4, absent

**POT-LID FRACTURE** 0, not determined; 1, present; 2, absent

**EDGE DAMAGE** 0, not determined; 1, present, absent

**KIND OF EDGE DAMAGE** 0, not determined; 1, unifacial; 2, bifacial

**RETOUCH** 0, not determined; 1, present; 2, absent

**LOCATION OF RETOUCH** 0, not determined; 1, distal end; 2, side; 3, distal end and side

**BULB OF PERCUSSION** 0, not determined; 1, salient; 2, diffuse; 3, absent

**STRIKING PLATFORM** 0, not determined; 1, present; 2, absent

**RING FRACTURES** 0, not determined; 1, present; 2, absent

**FLAKE MORPHOLOGY** 0, not deter-

mined; 1, irregular; 2, convergent; 3, divergent; 4, parallel; 5, sub-parallel

**DISTAL TERMINATION** 0, not determined; 1, feather; 2, hinge; 3, snap (or step); 4, multiple

**FLAKE SCAR DIRECTION (CORES)** 0, not determined; 1, uni-directional; 2, bi-directional; 3, multi-directional

**NUMBER OF FLAKES REMOVED (CORES)**

**METRICAL ATTRIBUTES RECORDED (in mm):** Maximum length; axial length; maximum width; maximum thickness; striking platform width; striking platform thickness; weight (g)