

CTRL Stage I: ARC Stone Farm Bridleway (SFB) and Saltwood Tunnel (SLT)

Human Bone Archive Report

I. ARC SFB99 (+ one SFB01)

I.1 Unburnt Bone

See Skeleton Record Sheets for skeletal elements available in analysis and dental record sheets for tooth wear & lesion location. Inventories of spinal and extra-spinal joints, dental inventory, metric record & none-metric traits are recorded in the database. In the following text sexual dimorphic scores are in accordance with Buikstra and Ubelaker 1994, and condition score follow McKinley in press.

context 1055

From grave 1056. Burial made supine & extended. Skull & right leg lifted on site.

SKULL: Medium-large rounded mastoid process (3-4). Mild-moderate external occipital protuberance (3).

See prior to excavation when more survive – lambdoid suture obliterated.

LOWER LIMB: Robust long bones.

AGE: adult >20 yr.

SEX: *??male

CONDITION: Very light, eroded bone (4-5), some root marking.

context 1075

From grave 1071. Basal fill of grave, nothing recovered from 'skeleton' number 1077. Position of bone recovered from this number unknown so cannot assist with orientation/position. Small size of grave suggestive of immature individual & supported by skeletal remains.

SKULL: Few intact tooth crowns others heavily shattered. No polish evident to any of the crowns.

AGE: infant *c.* 3 yr.

context 1076

?Redeposited within upper fill grave 1074, alternatively may be remnants of second burial made within grave. Former seems more likely, but since this cut lays *c.* 5m from any other it suggests that the *in situ* burial (1146) disturbed an earlier one.

SKULL: Small, slightly pointed mastoid process. Very slight external occipital protuberance (2).

Sagittal & right side of lambdoid almost fully fused, left side lambdoid fused & almost obliterated.

AGE: adult >45 yr.

SEX: *??female

CONDITION: Heavily eroded (4-5)

context 1119

From base of grave 1118; probably represents remains of *in situ* burial.

SKULL: Single tooth crown, no apparent polish.

AGE: infant/juvenile c. 3-8 yr.

SEX: ?

CONDITION: 5

context 1123

From base of grave 1122; probably represents remains of *in situ* burial.

SKULL: 2 complete tooth crowns, 4 partial & few shattered fragments. Very slight polish to cusps of deciduous molar, permanent apparently unworn.

AGE: Infant/juvenile c. 4-6 yr.

SEX: ?

CONDITION: 5

context 1125

From base of grave 1124; probably represents remains of *in situ* burial.

SKULL: One crown and shattered fragments minimum 2 others, all with occlusal wear; molar fragment flat wear. Mild-moderate calculus.

AGE: adult c. 25-45 yr.

SEX: ??male

PATHOLOGY SUMMARY: calculus

CONDITION: 5

INCLUSIONS: Fragment Fe, ?nail.

context 1146

Remains of *in situ* burial in grave 1074. Skull only remained.

SKULL: Small-moderate external occipital protuberance (2-3), 1b = 18.0mm. All sutures fully fused & obliterated ... very faint impressions of parts of sagittal & lambdoid just evident. Mild occipital bunning. Pacc. pitting in frontal & along margins of lambdoid suture, inc. nos. max. c. 14mm diameter, almost full diploe deep.

AGE: adult >50 yr.

SEX: ?

PATHOLOGY SUMMARY: calculus; sutural bone -asterion

CONDITION: Heavily eroded exocranial surface (5), endocranial (1-2).

context 1147

Layer immediately above 1146 in grave 1074. i.e. =

No sheets

SKULL: Single, very small fragment vault.

CONDITION: 4

context 1293

From grave 1291. Bits skull & lower limb. Supine & extended.

SKULL: Shattered fragments ?maxillary incisor crown from amongst lower limb.
Moderate calculus deposits.
Mastoid incomplete but appears large & rounded. Occipital too poorly persevered to be certain but minimum (2).
AXIAL SKELETON: Innominate: greater sciatic notches incomplete but tending obtuse (2-3).
LIMB: Few heavily degraded fragments long bone – cannot identify (according to site context should be left & right femurs).
AGE: adult c. 30 – 45 yr.
SEX: *??female
PATHOLOGY SUMMARY: calculus
CONDITION: heavily eroded surface (4-5), endocranial vault less (2).

context 1322

Fill grave 1321, around ‘feet’ of 1328.
SKULL: Shattered fragments tooth enamel, unclear which but minimum occlusal polish. Mild calculus.
AGE: adult c. 18 –35 yr.
SEX: ?
PATHOLOGY SUMMARY: calculus
CONDITION: crowns only.

context 1324

Basal layer of grave fill, bone = **1332**.
SKULL: 3 tooth crowns *recorded with 1332*.

context 1328

Remains of burial in grave 1321. Teeth only.
SKULL: Two strong lines hypoplasia within 2mm neck mandibular left P1. Mild-moderate calculus suggested by ‘tide-lines’.
AGE: adult c. 20-30 yr.
SEX: ?male
PATHOLOGY SUMMARY: calculus; hypoplasia; morphological variation – large 5-cusp mandibular M3.

context 1329

Burial from grave 1319. Parts, predominately from right side?.
SKULL: Large teeth. Mild-moderate calculus deposits.
Mandible – slight periodontal disease (resorption of alveolus).
LIMB: Few heavily degraded fragments of long bone shaft, one probably femur given thickness.
AGE: adult c. 25-35 yr.
SEX: ??male
PATHOLOGY SUMMARY: caries; calculus; periodontal disease; morphological variation – ‘pegged’ maxillary M3
CONDITION: Highly degraded/eroded (4-5).

context 1332

+ 3 crowns collected in lower grave sample as 1324. Inhumation burial in grave 1323. Teeth only recovered.

SKULL: Small tooth crowns. Eruption status unclear for permanent teeth, only M1s have some evidence of occlusal wear & root presence. Fragments deciduous molar crowns inc., one maxillary m2.

AGE: juvenile c. 9-11yr.

SEX: ?

PATHOLOGY SUMMARY: hypoplasia

context 1345

Inhumation burial in grave 1112, teeth only.

SKULL: Crowns only; eruption status unclear, only very slight polish evident on one permanent molar crown. Shattered tooth enamel fragments ?include fragment maxillary deciduous molar, some wear to cusps.

AGE: juvenile c. 6-8 yr.

SEX: ??male

CONDITION: Dark brown staining to maxillary molars

context 1356

Remains of **E/MIA** inhumation burial in grave 1305. Tooth crowns only. No sheets or database entry.

SKULL: Few heavily shattered fragments of tooth enamel, too small to identify to tooth but looks like permanent teeth & with some occlusal wear.

AGE: subadult/adult >13 yr.

SEX: ?

context 1391

Burial in grave 1392, ?some disturbance. Skull only.

SKULL: Mandible – only socket apices survival, alveolus lost.

Very light wear.

AGE: adult c. 18-25 yr.

SEX: ??male

PATHOLOGY SUMMARY: calculus; hypoplasia; morphological variation – mandibular M3 small 5-cusp

CONDITION: Eroded exocranial vault (4-5), less so endocranial (2).

context 1445

E/MIA ?burial within ?grave 1421. This lays towards the 'centre' of the feature & c. 0.20m from 1446 ... probably disturbed/?redeposited. **See 1446**

No sheets or database log.

SKULL: 6 fragments thick (1a = 9.4mm) parietal vault – superior posterior.

Numerous small scraps heavily degraded vault.

AGE: adult

SEX: ?

CONDITION: 6 fragments (0-1), scraps (4-5).

context 1446

E/MIA Within ?grave 1421, probably = 1445. Situated more towards one end (N) of the feature.

Skeleton sheet only.

SKULL: Size & shape of mastoid indistinct.

AGE: adult >18 yr.

SEX: ?

CONDITION: Heavily degraded (5).

context 1514

Remains of burial within grave 1453; no bone recorded in excavation.

AGE: adult c. 25-35 yr.

SEX: ?

PATHOLOGY SUMMARY: calculus; hypoplasia; morphological variation – mandibular M3 small 5-cusp

CONDITION: Mostly crowns only. Green cu-alloy staining on right mandibular teeth.

GRAVE GOODS: Fragments of amber bead recovered from sample 73 from grave fill.

context 1516

Remains of burial within grave 1462.

SKULL: Fragments shattered tooth enamel mostly deciduous – some certainly is with dentine exposed on cusps visible.

Eruption status of permanent teeth unclear since crowns only survive & wear only conclusively evident in 1st molars.

AGE: juvenile c. 8-12 yr.

SEX: ??male

PATHOLOGY SUMMARY: morphological variation – mandibular M1 both have small, labial accessory cusps

CONDITION: Crowns only.

COMMENT: Inc. deciduous crown frag. recorded under lower fill number 1515.

context 1575

Remains inhumation burial in grave 1491.

SKULL: Maxilla & mandible – mild-moderate calculus. Slight periodontal disease, up to 3mm resorption.

Moderate-broad supra-orbital margins (4-5), moderate ridge (4). Pronounced external occipital protuberance (4-5). Broad, robust malar process. Coronal & lambdoid sutures fused.

AGE: adult c. 25-35 yr.

SEX: *male (NB: small teeth, consistently low range)

PATHOLOGY SUMMARY: periodontal disease; calculus; hypoplasia;

morphological variation – mandibular M3 6-cusps, mandibular right M2 5-cusp
CONDITION: Exocranial (3-5), endocranial (2-3).

context 1736

E/MIA Burial within grave 1732 – erroneously sampled under fill number 1735.

SKULL: Very light occlusal wear, no exposed dentine.

AGE: adult c. 18-25 yr.

SEX: ?

PATHOLOGY SUMMARY: calculus; morphological variation – mandibular M3 5-cusp

CONDITION: Crowns only. Slightly worn appearance (1).

context 1738/9

From **E/MIA** grave 1737. Teeth only. Some also from 1738 i.e. = 1739.

SKULL: Evidence of flat occlusal wear in shattered fragments.

AGE: subadult-adult c. 16-25 yr.

SEX: ??male

PATHOLOGY SUMMARY: hypoplasia; calculus

CONDITION: tooth crowns only

context 1743

From grave 1705. Teeth only.

LOWER LIMB: ?Tibia; short section heavily degraded (4-5), flattened/misshapen long bone shaft, tibia shape but could be misleading since pressure-modelled & covered in consolidant (*Not recorded on sheet*)

AGE: adult c. 20-30 yr.

SEX: ??male

PATHOLOGY SUMMARY: calculus

COMMENT: Lower limb from under shield boss 1746.

CONDITION: Crowns only. Long bone 4-5.

context 1750

From grave 1634. Parts of skull, upper & lower limb recorded on site (none survived for analysis). Skull seen prior to excavation by writer – skull squashed almost flat & laid on left side. Mandible & maxilla occlusal surfaces touching. Upper-most part of skull squashed down & flat

SKULL: Small by squared mental process (pre-exc.)

AGE: adult c. 18-25 yr.

SEX: ??male

PATHOLOGY SUMMARY: moderate calculus; slight hypoplasia

CONDITION: Mostly crowns only, some crumbly root.

context 1763

From grave 1762. Teeth only.
AGE: adult c. 25-40 yr.
SEX: ?
PATHOLOGY SUMMARY: hypoplasia; calculus
CONDITION: Crowns only. Highly degraded (5+) crumbs of vault.

context 1777

From grave 1490. Only teeth recovered. Excavator seems to have recovered them as one and assumed they were the same; recorded as being 'close to surface' i.e. 3-4cm below ground level in a grave with maximum depth 0.12m. Also recorded as being in the 'centre of the cut', but dawning shows this was not quite correct. There were two groups of teeth, 'A' of which there were more & lay central to the western half of the grave, and 'B' which were fewer in no. & lay in a group 0.10m to the north-east. These represent the remains of different individuals. Unfortunately, the division does not seem to have been maintained either by the excavator or in post-excavation & all have become mixed. Luckily, the teeth are different colours as well as individuals varying in age.
Either represents a double burial, or ones set could have been from a redeposited skull?

1777A

AGE: subadult c. 13-15 yr.
SEX: ??male
PATHOLOGY SUMMARY: ?possible retention of deciduous molar; hypoplasia;
morphological variation – large 5-cusp right mandibular M3
CONDITION: Crowns only – these comprise the paler coloured of the two sets &
with no apparent degradation to enamel.

1777B

SKULL: Large incisors and canines.
AGE: juvenile-subadult c. 7-14 yr.
SEX: ?
PATHOLOGY SUMMARY: hypoplasia; morphological variation – mandibular left
M3 5-cusps
CONDITION: Slightly darker colour than 1777A (light-mid brown); crowns only but
very slightly worn appearance (1).

context 1811

From grave 1810. Teeth only recovered. Teeth were bagged as one, but from plan it appears that they formed two small groups & a singleton distributed across the west end of the grave cut; given that there is evidence for more than one individual.
SKULL: Probable maxillary M3 small, basically 2-cusp variation with multiple fissures.
AGE: 1) adult c. 18-25 yr. 2) infant 0.5-6 yr.
SEX: ?
PATHOLOGY SUMMARY: morphological variation – mandibular M3s multi-cusped
CONDITION: Crowns only.

context 1839

In situ burial in grave 1757; Bone underlying shield boss (obviously placed over head).

SKULL: Right maxillary canine appears 'pegged' BUT position in dentition uncertain (poor preservation, no supportive structure & squashed) and it could be an accessory crown or a right I2 – definitely maxillary though.

AGE: adult c. 20-30 yr.

SEX: ?

PATHOLOGY SUMMARY: hypoplasia; calculus; morphological variation – pegged maxillary ?canine, mandibular M3 5 cusps

CONDITION: Some degraded bone, mainly tooth crowns with some root (5). Soil 'glued' to bone by consolidant painted over teeth and soil in which they sat in conservation – subsequently could not get all soil off and view of surfaces consequently inhibited.

context 1854

From grave 1489. Teeth only

SKULL: Mild-moderate calculus (often from tide lines). Irregular shaped, 5-cusped M3 from grave fill – 1855 – presumably maxillary but shape so irregular cannot be sure or from which side.

AGE: subadult-adult c. 15-25 yr.

SEX: ?

PATHOLOGY SUMMARY: hypoplasia; calculus

context 1856

Supine, extended burial made in grave cut 1577.

SKULL: Long, relatively narrow but robust malar processes. Any external occipital protuberance eroded away. All sutures (sagittal, lambdoid & coronal) unfused; anterior sagittal starting. Possible small wormian bone but cannot be certain. Mastoid process appears rounded but relatively small – heavily degraded.

Calculus mostly evident from 'tide-lines'.

AGE: adult c. 25-35 yr.

SEX: ??male

PATHOLOGY SUMMARY: hypoplasia; calculus; hypercementosis; morphological variation – man M3 5-cusp variation

CONDITION: Heavily degraded bone (5-5+), endocranium (0-1). Long bone all heavily degraded (5+) with exception 2 small fragments proximal ulna.

context 1859

From grave cut 1857/1577.

No sheets or database entry.

SKULL: 2 fragments shattered incisor (?mandibular) tooth enamel with flat occlusal wear and exposed dentine.

AGE: adult c. 25 – 50 yr.

SEX: ?

PATHOLOGY SUMMARY: calculus
CONDITION: Crown fragments only.
INCLUSIONS: Small fragment mineral-blue glass.

context 1896

From sample 200, recorded as context **1897** (grave fill) but **1896** – from grave 1895 – has teeth shown as present & presumably these are they.
AGE: adult c. 30-40 yr.
SEX: ??male
PATHOLOGY SUMMARY: Calculus
CONDITION: Crowns only.

context 3033

From grave 3031. Parts all areas survived in the ground.
SKULL: Frontal degraded but min. moderate supra-orbital margins (3) & indications min. slight-moderate ridge. (min. 2-3). Coronal suture just commencing fusion, sagittal c. ½ fused & lambdoid open.
Mastoid process unclear but appears relatively small,
LOWER LIMB: Very large, robust femora, with indications some exostoses on linea aspera & gluteal lines.
AGE: adult c. 20-40 yr.
SEX: *??male
PATHOLOGY SUMMARY: exostoses – femora
CONDITION: Degraded, eroded bone 4-5+.

context 3085

From grave 3083. Teeth only. In situ @ west end of grave.
AGE: c. 9-10 yr.
SEX: ?
PATHOLOGY SUMMARY: hypoplasia; calculus
CONDITION: Mostly crowns, some root survives.

context 3127

From grave 3080, tooth crowns only recovered.
AGE: subadult-adult c. 15-20 years
SEX: ??male
PATHOLOGY SUMMARY: hypoplasia
CONDITION: Mostly enamel only.
INCLUSIONS: 9.2g charcoal/fuel ash.

context 5188

Inc. 5187. From grave 5186. Tooth & lower limb on excavation.
AGE: adult c. 20-35 yr.
SEX: ?
CONDITION: Tooth enamel only & scrap of root.

context 5381

From grave 5379.

No sheets or database entry

AGE: subadult-adult >15 yr.

SEX: ?

CONDITION: heavily degraded (5+) scraps (c. 10 & increasing) long bone shaft,
excavator seemed to think were humerus, could be but from size may also
have been femur.

SFB01

context 6692

Remains inhumation burial made in grave 6639.

AGE: adult c. 25-35 yr.

SEX: ?

PATHOLOGY SUMMARY: calculus

CONDITION: Crown enamel only & few fragments very heavily degraded scraps of
bone (5+).

I.2 Cremated Bone

See Table 00 for bone weights and percentage distribution by sieve fraction and identifiable skeletal elements, and maximum fragment sizes.

Small fragments burnt/cremated bone were recovered from various inhumation grave fills including;

- u/id human bone (generally fragments long bone shaft): 1101 (>juvenile), 1147 (>juvenile), 1322 (>juvenile), 1454 (subadult/adult), 1764 (subadult-adult), 1859
- u/id ?animal/?human:
1121, 1574, 3335, 3411, 3499

context 1355

Ditch fill. Pot fragments.

LOWER LIMB: Fragment femur & tibia shaft,

AGE: subadult/adult

context 1390

From fill inhumation grave 1393.

SKULL: Vault 2 fragments. 1a = 3.5mm

LOWER LIMB: Fragments femur & tibia shaft.

AGE: adult

context 1412

Fill **E/MIA** inhumation grave 1411. Pot fragments.

SKULL: Malar body fragment.

Vault small fragment.

UPPER LIMB: Radius shaft fragment.

AGE: subadult/adult

context 1465

Inhumation grave 1464. Fuel ash, bone & pot fragments.

SKULL: Molar root fragment.

Vault; fragment. Sagittal suture open.

LOWER LIMB: Femur; 2 fragments shaft.

AGE: subadult-adult c.13-40 yr.

SEX: ?

context 1515

Fill inhumation grave 1462

LOWER LIMB: Fragments femur & fibula shaft.

AGE: subadult/adult

context 1573

Fill pit 1572, 1.78 x 0.94m, 0.14m deep. Rare fuel ash & bone, pot fragment.
LOWER LIMB: Femur; shaft fragment.
AGE: adult/subadult

context 1578

Fill inhumation grave 1858.
UPPER LIMB: Fragments humerus (2) and radius (2) shaft.
LOWER LIMB: Femur; 2 fragments shaft.
AGE: subadult/adult
SEX: ?

context 1602

Fill ditch 1601.
UPPER LIMB: Humerus; shaft fragment.
AGE: adult

context 1605

Fill **E/MIA** inhumation grave 1523.
LOWER LIMB: Femur; 2 fragments shaft.

context 1635

Fill inhumation grave 1634.
LOWER LIMB: Tibia; 3 fragments shaft.
AGE: adult

context 1647

Fill inhumation grave 1487
UPPER LIMB: Humerus; shaft fragment.
AGE: subadult/adult

context 1698

Discrete fuel ash rich deposit within fill ditch 1695.
SKULL: 2 small fragments vault.
UPPER LIMB: Radius shaft fragment.
LOWER LIMB: Tibia shaft fragment.
AGE: subadult/adult

context 1700

EIA Charcoal rich fill of ?truncated pit 1699, 0.70 x 0.30m, 0.14m deep.
Excavated as two rather confusing southern fills (no record of what northern half comprised) 1700 & 1701. Quantity of bone so minimal as to make this meaningless + cannot comprehend excavators notes.
SKULL: Vault; 3 small fragments. 1a = 2.6mm

AXIAL SKELETON: Rib; shaft fragment.
UPPER LIMB: ?Ulna shaft fragment.
AGE: juvenile- adult

context 1704

Charcoal-rich fill pit 1703 – 0.27 x 0.18m, 0.08m deep – with ‘very common’ charcoal & ‘common’ (9.9g!!) bone. Excavated in two halves.

SE

SKULL: Vault; 3 small fragments. 1a = 2.5mm.

LOWER LIMB: Fragments tibia & fibula shaft.

NW

UPPER LIMB: Humerus; shaft fragment.

LOWER LIMB: Fibula; shaft fragment.

AGE: subadult/adult

SEX: ?

context 1706

Fill of inhumation grave 1705

SKULL: Small fragment supra-orbital, narrow-medium margin (2-3).

AGE: subadult/adult

SEX: ??female

context 1725

Pit fill. No description recorded. Cremation-related deposit.

SKULL: Vault; 2 small fragments. 1a = 3.6mm.

context 1727

Charcoal-rich fill pit 1726, 0.30 x 0.30, 0.06m deep. Excavated in halves.

NW

SKULL: Postglenoid tubercle (?right) with external auditory meatus.

UPPER LIMB: Radius; shaft fragment.

SE

SKULL: P/C root fragment.

Very small, gracile left zygomatic arch.

Vault; 3 fragments shaft. 1a = 3.2mm.

UPPER LIMB: Fragments humerus (2), radius (2) and ulna (2) shaft.

LOWER LIMB: Fragments femur (3) and fibula; (1) shaft.

Metatarsal base with shaft fragment.

AGE: adult

SEX: ?female

context 1729

Charcoal-rich fill of pit 1728, 0.29 x 0.22m, 0.07m deep. N & S halves.

South

SKULL: Vault fragment.

UPPER LIMB: Humerus; shaft fragment.
LOWER LIMB: Tibia shaft fragment.
AGE: adult
SEX: ?

context 1764

Fill inhumation grave 1762
SKULL: Tooth root fragment.

context 1805

Fill of **E/MIA** inhumation grave 1803.
SKULL: Vault fragment.
UPPER LIMB: Scapula; fragment acromion neck.
Humerus; proximal shaft fragment, small area fine periosteal new bone.
Radius shaft fragment.
LOWER LIMB: Tibia; shaft fragment.
AGE: subadult/adult
SEX: ?
PATHOLOGY SUMMARY: periosteal new bone – proximal humerus

context 1855

Fill inhumation grave 1489.
SKULL: Vault fragment. 1a = 2.5mm
UPPER LIMB: Ulna; shaft fragment. Small styloid process.
LOWER LIMB: Fragments femur & tibia shaft.
Talus fragment.
Metatarsal head with shaft fragment.
AGE: adult
SEX: ?

pit 3336

Diameter 0.35m, 0.32m deep. Eastern half excavated in 4 spit 0.05m, western half taken out as one.
Unurned burial + redeposited pyre debris .

context 3397

East spit 1.
SKULL: Vault; 3 small thin fragments. 1a = 1mm.
UPPER LIMB: Ulna; proximal shaft fragment (immature).

context 3399

East spit 3.
SKULL: Vault; 3 small thin fragments.

context 3491

Western half of fill. Charcoal in fill but no quantification or distribution stated.

SKULL: Vault; 20 small, thin fragments. 1a = 1.3mm.

AXIAL SKELETON: Fragment neural arch.

Rib; shaft fragment.

UPPER LIMB: Proximal phalanx head with shaft fragment (immature).

LOWER LIMB: Fragments femur & tibia shaft (neonate-y.infant).

AGE: neonate/young infant c. 3-18 mth.

pit 3602

LBA/EIA: 0.80 x 0.65m, 0.40m deep. With charcoal rich fill; S half excavated as one, N. half in 4 spits.

context 3603

S. half of fill; residue very charcoal rich.

SKULL: Fragment inferior right nasal process.

Vault; 6 fragments. 1a = 4.3mm.

AXIAL SKELETON: Rib; 3 fragments shaft.

UPPER LIMB: Fragments radius (3) and ulna (1) shaft.

1st proximal phalanx head with shaft fragment.

LOWER LIMB: Femur; 2 fragments shaft. 5 fragments distal articular surface.

Fragments tibia (2) and fibula (2) shaft.

context 3608

North spit 1.

AXIAL SKELETON: Cervical articular process fragment.

UPPER LIMB: Clavicle; fragment lateral shaft.

context 3609

N. spit 2

SKULL: Vault; 9 small fragments.

AXIAL SKELETON: Cervical; small fragment body. Small fragment small spines.

Fragment articular process.

Innominate; greater sciatic notch fragment, incomplete but tending obtuse.

context 3610

N. spit 3

SKULL: Small fragment petrous temporal. Fragments mastoid portion.

Vault; 3 small fragments.

UPPER LIMB: Fragments humerus (2), radius (1) and ulna (1) shaft.

LOWER LIMB: Tibia; shaft fragment.

context 3611

N. spit 4; charcoal rich residue.

SKULL: Vault; 3 small fragments.

AXIAL SKELETON: Thoracic; articular process fragment.

UPPER LIMB: Humerus; 7 fragments shaft.

Proximal phalanx head with shaft fragment, slight osteophytes on posterior margins of head.

LOWER LIMB: Tibia; 3 fragments shaft.

AGE: adult >25 yr.

SEX: ??female

PATHOLOGY SUMMARY: osteophytes – finger phalanx

context 3646

Discrete charcoal rich fill in ditch 3638.

SKULL: Mandible – small fragment distal body with ?crown crypt.

Vault; 12 fragments shaft. 1a = 4mm.

AXIAL SKELETON: Rib shaft fragment.

UPPER LIMB: Radius; shaft fragment.

AGE: subadult

SEX: ?

II. Saltwood Tunnel (SLT98, 98C and 99)

NB. Due to confusion in post-excavation, many of the bags and boxes containing human bone do not have the correct site code attached. The site code as shown in this document has been checked with the excavator and is correct BUT will not necessarily correspond with the bags and boxes.

II.1 Unburnt bone

See Skeleton Record Sheets for skeletal elements available in analysis and dental record sheets for tooth wear & lesion location. Inventories of spinal and extra-spinal joints, dental inventory, metric record & none-metric traits are recorded in the database. In the following text sexual dimorphic scores are in accordance with Buikstra and Ubelaker 1994, and condition score follow McKinley 2004, fig. 6.

SLT 98

context 211

In situ remains within grave 24. Supine, extended; legs crossed at ankles, arms extended along side of bone NB. Hands are not under the pelvis, the innominates have collapsed down over them during decomposition. ?Shrouded (quite a tight arrangement). **NB.** A skull was recovered in excavation but has subsequently gone missing and was not available for osteological examination.

AXIAL SKELETON: Cervical; degenerative disc disease moderate across all one superior surface & one inferior; latter also slight lesions superior margins. Pitting in one left superior articular process superior margins. Thoracic; some breakdown in body surface margins but bone poorly preserved & bot like degenerative disc disease.

Lumbar; slight pitting & osteophytes in 2 pairs of inferior articular processes (?L1-2); slight erosive pitting in one superior articular process (lower).

Innominates; acute greater sciatic notch(5); Acute sub-pubic angle (5). Beginnings of short, narrow, shallow pre-auricular sulcus evident in left side. Auricular surface show no billowing, fairly coarse surfaces. Pubic symphysis; slight dorsal border, uneven ventral border; all surface pattern gone, coarse granular appearance to all of face with deeper uneven pitting along ventral and inferior faces.

Areas of pitting c. 20 x 8mm in both acetabulae, superior anterior adjacent to rims; slight osteophytes on rims.

UPPER LIMB: Humerus; right medial epicondyle has area new bone & pitting in anterior surface flexor origin 17mm area.

Radius; strong tuberosities with pronounced dorsal lips. Strongly marked proximal interosseous border at upper end flexor pollicis longus attachments.

Ulna; pronounced supinator crests and strong tuberosities (supinator and brachialis attachments).

Carpals relatively small. Long metacarpals. Large phalanges. Right ?2nd/4th proximal interphalangeal; c. 8mm area eburnation in lateral side facets, pitting across all medial & onto lateral side, uneven flanges osteophytes around all joint margin.

LOWER LIMB: Femurs; large, robust bones with strong, prominent linea aspera

with slight exostoses, and strong gluteal tuberosities with mild exostoses, spiral line also moderately marked. Slight exostoses on margins proximal notches. Mild osteophytes on margins distal notch both sides.

Patella; slight exostoses in left and moderate in right anterior surfaces extending inferiorly.

Tibia; osteophytes on condyle margins intercondylar eminencies. Soleal lines fairly strongly marked.

Fibula; strong bone; Patchy periosteal new bone along 102mm min. length of bone medial surface, mid-shaft to distal; uneven, grainy active bone.

AGE: adult >45 yr.

SEX: male

PATHOLOGY SUMMARY: degenerative disc disease – 2C, 1L; periosteal new bone – right fibula; osteoarthritis – right 2nd/4th proximal IP joint (hand); osteophytes - 1C, right & left proximal ulnae, right glenoid, left hip, right & left knee joints; pitting – 1C articular process, 3L articular processes, left & right hip joints, right humerus epicondyle; new bone – right humerus epicondyle; exostoses – femur shafts, patellae

CONDITION: Variable, generally 2-3, some 4-5. Green copper-alloy staining to right sub-public area. Very small fragment burnt/cremated bone with left leg bones.

SLT 98C

context 1000

This no. represents the stone lining of the cist grave 1004; no. attributed to bone from this grave is **1017** this is not it; the number is incorrect but there is no secure evidence as to where it really was from so its basically unstratified (possibly off the soil heap?)

AXIAL SKELETON: Innominate; very small fragment greater sciatic notch, tending obtuse (min. 2).

LOWER LIMB: Relatively gracile long bones.

AGE: ?subadult-adult >15 yr.

SEX: *?female

CONDITION: Eroded 4-5.

context 1017

Coffined inhumation burial in cut 1004. Includes tooth fragments from grave fill **1001**. It appears that this grave was machined out and the bone was collected from the spoil heap where contamination may have occurred.

SKULL: Narrow supra-orbital margins (2); slight brow ridge (2).

One molar (?mandibular) tooth crown with totally different wear patterns to rest – *given the was in which this bone was collected, this could either have been redeposited in the grave fill, or be contamination from the spoil heap.* Coronal suture open.

UPPER LIMB: Humerus; gracile shaft.

LOWER LIMB: Femur; VD head min. 42mm

AGE: 1. adult c. 18-25 yr. 2. adult c. 25-40 yr.

SEX: 1. Skel. indicates *??female

Teeth suggest ??male

2. ?

PATHOLOGY SUMMARY: calculus

CONDITION; Heavily eroded (4).

context 1029

In situ burials made in grave 1027. Four 'F.no.' (finds nos.) attached to different groups of material but in the absence of record of what these nos. relate to (no plan number is given on the context record sheets for the skel. or grave cut) they were treated as one.

SKULL: c. 30 additional small shattered fragments tooth enamel, cannot reconstruct or record in further detail. Very light wear. No root survive.

F.no. 1511 c. 10 shattered fragments tooth enamel, could not record further.

F. no. 1039 = >50 very small fragments of shattered tooth enamel, could not reconstruct or record any other way.

Recorded tooth crowns from **F.nos. 1224, 1508 & 1220.**

AGE: subadult c. 14-18 yr.

SEX: ??male

context 1046

Fill of grave cut 1048. Position in grave not recorded.
No sheets or other records.
SKULL: Two tiny fragments shattered tooth enamel, appears to be from permanent tooth, no obvious wear on occlusal surface. P/M.
AGE: ?older infant-mature adult c. 2-40 yr.!
SEX: ?

context 1075

'Grave goods' number given to Fe spearhead from grave cut 1522.
AGE: adult c. 20-30 yr.
SEX: ?
PATHOLOGY SUMMARY: hypoplasia; calculus

context 1081

Grave cut number, should have been given skeleton no. for this grave **1310**.
No sheets.
LIMB: Heavily abraded fragments including at least humerus shaft.
AGE: adult
SEX: ?
CONDITION: Heavily abraded 4-5.

context 1109

Fill grave 1110. No human bone record sheet or description beyond 'teeth'.
SKULL: c. 30 small, shattered fragments tooth enamel. At least some occlusal polish but too heavily shattered to give much idea.
AGE: adult c. 25-45 yr.
SEX: ?
CONDITION: Crowns only.

context 1118

Grave; = 1140. (recorded on same hard-copy sheets)
AGE/SEX: See 1140

context 1122

Grave cut 1521. Grave fill, no record of any bone so position unknown.
No sheets or other records.
SKULL: 3 small, shattered fragments tooth enamel; look like permanent crowns.
AGE: >5 yr.

context 1134

Number attributed to coffin in grave cut 1132; assumed to represent remains of in situ bone collected in sample.
No sheets or other records.
SKULL: 4 small, shattered fragments tooth enamel including part one molar & 1

premolar both with occlusal polish, premolar flat.
AGE: adult c. 30-50 yr.
SEX: ?
CONDITION: Enamel only + small fragment long bone 4-5.
GRAVE GOODS: Small fragment glass.

context 1140

From grave cut 1137. Two F.(finds) nos. 1222, 897 but since no record of what these nos. mean recorded as one. Site records state only 2 molars recovered but drawing shows min. 4 + ?bits.
AGE: adult c. 20-30 yr.
SEX: ?
COMMENT: Enamel crowns only. Many badly shattered.

context 1157

Grave cut 1154.
AGE: adult c. 20-25 yr.
SEX: ?
CONDITION: Enamel crowns only.

context 1160

Grave cut 1159.
No sheets or other records.
SKULL: Inner-ear bone malleus (hammer).
Vault; minimum 3 scraps single plate & diploe.
AGE: subadult/adult ?13 yr.
SEX: ?
CONDITION: c. 100 scraps of heavily degraded bone (5).

context 1164

Grave 1165. Sampled grave fill, position of bone not noticed.
No sheets or other records.
SKULL: 3 tiny scraps tooth enamel.
AGE: ?
SEX: ?

context 1167

Inhumation burial in grave cut 1138; some bone erroneously numbered **1120**.
No sheets or other record. NB. Context records have wrong site code.
SKULL: c. 10 small shattered fragments tooth enamel including at least one mandibular molar with slight occlusal polish & min. one crown fragment with flat occlusal polish. + 5 very small, shattered fragments tooth enamel, flat occlusal polish evident on one fragment (1120).
c. 5 very small scraps of ?vault.
AGE: adult c. 25-45yr.

SEX: ?

CONDITION: Enamel & heavily degraded bone (5+).

context 1183

Grave cut 1154. Sampled coffin fill, no bone noted on site.

No sheets or other records.

SKULL: c. 5 small fragments shattered tooth enamel, appear permanent, some occlusal polish.

AGE: subadult-adult >13 yr.

SEX: ?

context 1187

Grave 1188; sampled grave fill, burial remains = **1256** - record on sheet **with 1256**.

AGE: adult c. 30-40 yr.

SEX: *??female

CONDITION: Heavily degraded bone (4-5). Teeth abraded (3-4) but roots remain.

context 1188

Cut number; ?should be 1187?

No sheets or other records.

AGE: >infant

SEX: ?

CONDITION: 4 small, heavily degraded (4-5) scraps bone, ?inc. innominate.

context 1194

Grave cut number. Skel. no. **1330** is bagged and boxed as SLT99 – see below. ... bags wrongly numbered.

No sheets or other records.

SKULL: c. 20 small shattered fragments tooth enamel including one maxillary I1.

Could not judge occlusal wear.

AGE: juvenile-adult >6yr.

SEX ?

context 1203

Grave 1204; sampled grave fill, skeleton no. **1388** (recorded on same sheets).

AGE: adult c. 20-25yr.

SEX: ??male

PATHOLOGY SUMMARY: hypoplasia; calculus

CONDITION: Enamel only.

context 1239

Grave 1240. No. attributed to bone **1343** so presumably this bag was incorrectly numbered? i.e. the teeth from here correspond with what is recorded under 1343 on site records more than do those I have numbered **1343**.

AGE: adult c. 18-25 yr.

SEX ??male

PATHOLOGY SUMMARY: caries – 2 mandibular molars; hypoplasia

CONDITION: Tooth enamel only.

context 1254

Grave 1214..

AGE: infant c. 2-3 yr.

SEX: ?

CONDITION: Crown enamel.

context 1256

Grave 1188; *in situ* remains of burial; recorded with **1187-8** ass.

SKULL: Sagittal suture fused/obliterated. Coronal c. half fused. Slight supra-orbital (2).

AGE: adult c. 30-40 yr.

SEX: ??female

PATHOLOGY SUMMARY: calculus

INCLUSION: Fish vertebrae.

context 1259

Grave cut number. See skel. no. **1358**.

No sheets or other records.

SKULL: Single small fragment enamel; permanent tooth.

AGE: juvenile-adult >5 yr.

context 1276

Grave 1267.

AGE: subadult-adult c. 16-25 yr.

SEX: ?

context 1283

Grave 1195 *in situ* remains. NB. Context record sheets have wrong code (SLT99).

NO sheets or other records.

SKULL: 7 small scraps shattered tooth enamel, cannot even tell if deciduous or permanent.

AGE: ? >2 yr.

SEX: ?

CONDITION: Enamel only.

context 1310

Grave 1081. Remains *in situ* burial see also **1081** for bone recorded under cut number.

SKULL: Mandible – heavy bone, flared arch, broad mental process & deep. M3 elongated 5-cusps

Maxilla - slight woven new bone anterior-medial and floor of left antrum. left P1 rotation c. 30 deg. mesial; slight hypercementosis.

Large, rounded mastoid process (4-5). Pronounced external occipital protuberance (4-5). At min. moderate supra-orbital (3).

Superior portion coronal fused, inferior open. Sagittal c. half (dorsal) – fully fused.

AXIAL SKELETON: Innominate; small fragment angle unclear but tending acute at least (3-4).

UPPER LIMB: Clavicle, robust.

AGE: adult c. 30-40 yr.

SEX: *male

PATHOLOGY SUMMARY: caries; calculus; hypoplasia; sinusitis; morphological variation – mandibular M3 5-cusps

CONDITION: Heavily degraded bone, skull best preserved (4-5), rest 5+.

context 1330

Grave 1194. In situ remains. NB. Context record sheets have wrong code (SLT99).

AGE: adult c. 18-25 yr.

SEX: ??male

PATHOLOGY SUMMARY: morphological variation – mandibular M3 multi-cusps

CONDITION: Tooth enamel only.

context 1342

Grave 1285. No. attributed to coffin stain. Bone numbered **1361**.

No sheets or other records.

SKULL: c. 15 small, shattered fragments permanent tooth crown enamel including maxillary premolars and molar & one probably canine. Some occlusal polish evident.

AGE: adult c. 20-30 yr.

SEX: ?

CONDITION: Shattered enamel fragments.

context 1343

Grave 1240. This is no. attributed to bone on site but most of the remains were incorrectly bagged as **1239** (grave fill). Some duplication of bone some ?redde3posited in grave fill.

AGE: subadult-adult c. 15-25 yr.

SEX: ?

PATHOLOGY SUMMARY: caries

CONDITION: enamel only

context 1347

Grave 1210.
No sheets, in dental inventory.
SKULL: c. 20 small, shattered fragments permanent tooth crown inc. min. 1 incisor
& 1 other molar. No occlusal wear evident on any fragments.
AGE: juvenile-subadult c. 8-18 yr.
SEX: ?
CONDITION: Enamel crowns only.

context 1351

Grave 1352. Should have been **1320** not given number attributed to grave goods.
AGE: juvenile c. 7-9 yr.
SEX: ?
CONDITION: Enamel crowns only.

context 1357

Grave 1259. Incorrectly numbered should have been **1358** not no. attributed to grave goods.
No sheets or other record.
SKULL: 3 small fragments shattered permanent tooth enamel.

context 1358

Grave 1259. See also **1259 & 1357**.
AGE: adult c. 30-40 yr.
SEX: ?
CONDITION: Mostly enamel some heavily degraded bone (5+).

context 1361

Grave 1325.
AGE: adult c. 25-30 yr.
SEX: ?
PATHOLOGY SUMMARY: hypoplasia; calculus
CONDITION: Tooth enamel & heavily degraded bone (5-5+)

context 1363

Grave 1234. This no. pertains to the grave goods, skel. no = **1362** from which there is no bone but fragments were recorded on site which would equate with these.
AGE: adult c. 20-35 yr.
SEX: ??male
PATHOLOGY SUMMARY: calculus; hypoplasia
CONDITION: Mostly enamel crowns, some scraps root attached to some & heavily degraded small fragments skull vault (5-5+).

context 1376

In situ remains grave cut 1189; shield boss placed over head.
AGE: adult c. 18-25 yr.
SEX: ??female (small teeth)
PATHOLOGY SUMMARY: hypoplasia; morphological variation – mandibular M3
5-cusps
CONDITION: crowns enamel only (5).

context 1381

Grave 1382.
No sheets or other record.
SKULL: c. 15 small, shattered fragments permanent tooth enamel, includes part of
minimum 1 maxillary premolar with flat occlusal wear and ?one mandibular
premolar same.
AGE: adult c. 30-45 yr.
SEX: ?
CONDITION: Enamel only.

context 1388

Grave 1204. *In situ* bone. Recorded with **1203**
AGE: adult c. 20-25yr.
SEX: ??male
CONDITION: Enamel only.

context 1403

Grave 1387.
No sheets or other records.
SKULL: 7 shattered fragments of permanent tooth enamel, molar &/or premolar. No
evidence of wear other than possible slight polish.
AGE: infant-adult c. 3-20 yr.
SEX: ?

context 1404

Grave 1387. No. given to grave goods. See **1403**
No sheets or other records.
SKULL: 2 small fragments shattered permanent tooth enamel.

context 1415

Grave 1408. *In situ* remains.
AGE: subadult/adult c. 14-20 yr.
SEX: ?
PATHOLOGY SUMMARY: calculus
CONDITION: Tooth crown enamel only.

context 1417

Grave 1391. 'not recorded on site'

AGE: adult c. 25-35 yr.

SEX: ?

PATHOLOGY SUMMARY: caries; calculus; MV – mandibular M3 multi-cusped

CONDITION: Enamel crowns only.

context 1450

?post hole 1451.

AGE: juvenile c. 8-10 yr.

SEX: ??male

CONDITION: Tooth enamel only.

context 1452

Grave 1439. In situ bone.

No sheets or other records.

SKULL: c. 9 small, shattered fragments tooth enamel, at least some permanent.

AGE: >3yr.

SEX: ?

context 2400

Grave 2401. Grave fill, skel. no. **2515** – bagged and boxed incorrectly under code SLT99.

No tooth wear sheet.

AGE: juvenile-subadult c. 5-18 yr.

SEX: ?

CONDITION: tooth enamel only.

context 2515

Grave 2401. In situ. Context record sheets incorrect site code (SLT99)

AGE: juvenile c. 7-9 yr.

SEX: ?

CONDITION: Tooth enamel only

context 2558

Grave 2559. Fill no. sheets suggest some bone bagged under this number & some under skel no. **2598** - bagged and boxed incorrectly under code SLT99..

AGE: juvenile c. 7-10 yr.

SEX: ?

CONDITION: Crown enamel only.

context 2598

Grave 2559. In situ. Bags and boxes have incorrect site code (SLT99).

No sheets or other records.

SKULL: c. 10 small, shattered fragments enamel, including ?mandibular premolar,
?min. some occlusal polish.

AGE: ?juvenile/subadult c. 12-14 yr.

SEX: ?

CONDITION: Enamel only.

context 2817

Grave 2816. In situ remains.

SKULL: No apparent wear to crown, possibly unerupted?

AGE: infant-juvenile c. 3-8 yr.

SEX: ?

CONDITION: Tooth enamel only.

context 2886

Grave 2869. Grave fill, see skel.= **2906**

No sheets or other records.

SKULL: 2 small shattered fragments tooth enamel – flat occlusal wear.

context 2890

From ditch fill.

No sheets or other records.

SKULL: Shattered fragment permanent tooth enamel (?maxillary incisor).

AGE: juvenile-adult

SEX: ?

context 2906

Grave 2869. In situ remains. See **2890**.

AGE: adult c. 18-25 yr.

SEX: ?

CONDITION: Crown enamel only.

context 6140

Grave 6101. In situ remains. Supposed to have skull & mandible with full set of teeth but there is nothing under this number; by process of elimination skull erroneously coded STL99 no context no. just grave number.

SKULL: Large but slight pointed mastoid process (4). Moderate supra-orbital margins (3), slight ridge (2-3). No external occipital protuberance (1-2). All sutures fused, sagittal obliterated anterior, rest and lambdoid tending towards obliterate.

UPPER LIMB: Humerus; left deep intertubercular groove. Strong deltoid tuberosities especially right.

LOWER LIMB: Although heavily degraded (5-5+) the femurs at least appear to have been robust.

Metatarsals and tarsals large.

AGE: adult c. 40-60 yr.

SEX: *??male

PATHOLOGY SUMMARY: hypoplasia; calculus; morphological variation – mandibular M2-3 triangular form, coronal ossicle

CONDITION: Heavily degraded (5-5+)

context 6407

Grave 6406; in situ. Wrong code of bags/box (SLT99, should be SLT98C)
AGE: infant/juvenile c. 4-6 yr.
SEX: ?
PATHOLOGY SUMMARY: caries - deciduous; hypoplasia;
CONDITION: Crowns only (except from unerupted crowns, some root).

context 6417

Grave 6416. In situ remains.
AGE: juvenile c. 10-12 yr.
SEX: ?
CONDITION: Enamel crowns only.

context 6420

Grave 6421. In situ remains
No sheets or other records.
AGE: Subadult/adult >13 yr.
SEX: ?
COMMENT: c. 12 very degraded fragments bone labelled 'feet' ... may well be. ...too degraded to i/d.
CONDITION: Heavily degraded (5).

context 6517

Grave 6516. In situ remains
SKULL: Suture open in at least exocranial half.
AGE: adult c. 35-50 yr.
SEX: ?
PATHOLOGY SUMMARY: hypoplasia; calculus;
CONDITION: Heavily degraded (erosion) scraps of long bone shaft & single plate vault (5-5+). Tooth roots present but decaying & generally incomplete, enamel flaking-off crowns continuously.

context 6523

Grave 6491. In situ remains
No dental wear sheet
SKULL: Deciduous molar slight polish on labial cusps.
AGE: infant/juvenile c. 4-5 yr.
SEX: ?
CONDITION: Enamel crowns only

context 6527

Grave 6524. In situ.
SKULL: Coronal suture almost fully fused. sagittal fully fused & tending to

obliterate

LOWER LIMB: Left foot bones recorded a 'right' & for some reason right foot bones much better preserved than rest of bone

AGE: adult c. 25-35 yr.

SEX: ?

PATHOLOGY SUMMARY: hypoplasia; calculus

CONDITION: Teeth mostly crown enamel some separated fragments degraded root.

Skull, long bone & left foot generally heavily degraded (erosion; 4-5+) right foot bones much better (1-2). 'Pock-marked' erosion to skull vault.

context 6565

Grave 6566. In situ.

SKULL: Sharp supra-orbital margins, faint ridge mesial.

AGE: juvenile c. 8-10 yr.

SEX: ??male

PATHOLOGY SUMMARY: hypoplasia; calculus

CONDITION: Skull badly warped with much fragmentation (1-2 erosion). Long bone ends all gone, shafts & hand/foot bones variable but generally moderately degraded (2-4). Some slight root marking on long bones.

context 6636

Grave 6635. In situ.

AGE: adult c. 25-35 yr.

SEX: ?

PATHOLOGY SUMMARY: calculus

CONDITION: Crown enamel & heavily degraded scraps long bone (5+).

context 6639

Grave 6640. In situ.

AGE: adult c. 25-45 yr.

SEX: ?

CONDITION: Enamel. Heavily degraded bone (5).

context 6646

Grave 6644. In situ.

AGE: Juvenile c. 6-7 yr.

SEX: ??male

PATHOLOGY SUMMARY: caries

CONDITION: Tooth enamel only.

SLT 99

context 3041

Grave 3041– no. attributed to cut. No record of sample from the fill.
AGE: subadult c. 13-18 yr.
SEX: ?
CONDITION: Tooth enamel only.

context 3046

Grave 3046. Fill, no record of a sample. Skel. no. 3056, no bone from this number so presumably bag numbered wrong.
AGE: subadult c. 15-18 yr.
SEX: ??male
PATHOLOGY SUMMARY: morphological variation – small disto-buccal cusp mandibular M2
CONDITION: Crown enamel only, slight obscured by adhering sand & black spot staining.

context 3712

Grave 3713. Fill, **see Skel. no. 3716**
No sheets or other records.
SKULL: 7 small fragments shattered enamel, ?permanent tooth ... flat occlusal wear.
AGE: adult >30
SEX: ?

context 3716

Grave 3713, in situ.
SKULL: Large mastoid processes, shape unclear since broken but appear rounded (4-5). Mild-moderate external occipital protuberance (3). Lambdoid fully fused, tending obliterated.
AXIAL SKELETON: Cervical vertebrae relatively large. Mild- moderate lesions. C4 small destructive lesion in inferior surface c. 3mm diameter, 2mm deep, exposed spongiosa, no indications healing ...?Schmorl's node start .
LOWER LIMB: Femur; both strong bones, strong linea aspera & gluteal tuberosities, mild exostoses along both sides, especially gluteal tuberosities & especially left.
AGE: adult >50 yr.
SEX: *?male
PATHOLOGY SUMMARY: hypoplasia; calculus; osteophytes – atlas/axis anterior facet; degenerative disc disease – 3C; morphological variation – mandibular M3 triangular form, wormian bones
CONDITION: Variable; much lost & scraps heavily degraded (5+) bone illustrated on sheet generally 2-3.

context 3727

Grave 3726. In situ.
SKULL: Small tooth crowns.
Thin occipital, no external occipital protuberance (1). Sutures (lambdoid) open.
AGE: adult c. 18-25 yr.
SEX: *??female
PATHOLOGY SUMMARY: caries; hypoplasia; calculus
CONDITION: Heavily degraded bone 5+, except that illustrated (3). Crowns only of teeth.

context 3746

Grave 3747. Fill, no record of sample. Skel. no **3769**, no bone but description could fit this.
SKULL: Coronal suture fused.
AGE: adult c. 20-30 yr.
SEX: ??female
CONDITION: Mostly tooth crown enamel. Few degraded fragments bone (5-5+).

context 3758

Grave 3762. Recorded twice other number being **3942** which is the number the teeth & possible mandible recorded on the record sheet for this number are actually present under. See **3942**.
No sheets or other records.
CONDITION: 2 scraps degraded long bone shaft

context 3760

Grave 3761. In situ.
No sheets or other records.
SKULL: c.10 small, heavily degraded fragments vault.
AGE: subadult-adult >14 yr.
SEX: ?
CONDITION: 5-5+.

context 3782

Grave 3764. In situ.
AGE: subadult/adult c. 16-20 yr.
SEX: ??male
PATHOLOGY SUMMARY: hypoplasia; morphological variation – mandibular M3 multi-cusp
CONDITION: Enamel only except few fragments root.

context 3785

Grave 3781. In situ.
AGE: adult c. 18-20 yr.
SEX: ??male

PATHOLOGY SUMMARY: hypoplasia; calculus; morphological variation –
mandibular M3 5-cusp
CONDITION: Tooth enamel only.

context 3786

Grave 3779. In situ.
SKULL: Pronounced external occipital protuberance (4). Sagittal sutures fully fused, lambdoid c. half fused.
AXIAL SKELETON: Rib; fragments minimum 3 sternal rib ends (Isca 1-2) from conservation 'under blade' – presumably meaning the sword blade.
AGE: adult c. 20-30yr.
SEX: *??male **BUT small teeth!!!!**
PATHOLOGY SUMMARY: hypoplasia; calculus
CONDITION: Enamel crowns only. Illustrated skull (4), rest heavily degraded (5-5+).
COMMENT: fragment of what appears to be left distal parietal (already exists) but clearly some odd arrangement since have sutures where not expected ... poor condition and bone recovery renders this a bit puzzling (see Skeleton record sheet for sketch).
Rib preservation suggests the sword was laid on the body not to one side of it but slightly over to left or right side of chest (cannot side the ribs).

context 3788

Grave 3755. In situ. Immediately adj. to grave 119.
AGE: subadult c. 14-18 yr.
SEX: ??male
CONDITION: Enamel crowns only. One – from cut number - eroded (1).

context 3823

Grave 3824. In situ.
SKULL: Slight external occipital protuberance (2-3). Lambdoid & sagittal sutures open, some slight endocranial fusion in sagittal. Medium-sized, pointed mastoid processes (2-3).
AGE: adult >45 yr.
SEX: *??female
CONDITION: Skull vault cracked & warped, generally 4-5. Some root on crowns but poorly preserved.

context 3857

Grave 3826. In situ.
AGE: adult c. 18-25 yr.
SEX: ?
CONDITION: Crowns only.

context 3864 & 3866

Graves 3864 & 3866; both context nos. are cut nos. not fills records give exactly same description but one from SW & other from NE. Clearly two sets teeth - Skel. nos **3928** & **3929** respectively - with no bone from either; co-joined by excavator so positions unknown.

NB. These have HAD to be entered into the database as individual context with one individual arbitrarily recorded under one number and the other under the other but neither could be attributed to one or other grave.

SKULL: Individual 1) large teeth less worn. Individual 2) much smaller teeth & heavier wear.

AGE: 1) subadult c. 11-14 yr. 2) adult c. 18-30 yr.

SEX: ?

CONDITION: Tooth crowns only under the two nos. Fragments of heavy degraded long bone shaft under 3866 (5-5+).

context 3884

Grave 3885. Fill no. No skeleton number issued on site and no record made on the fill sheet of the bone. New number allocated in post-excavation – **4003** – for skeleton.

SKULL: Coronal & lambdoid sutures appear well fused. Moderate external occipital protuberance (3) but eroded so ?larger.

AXIAL SKELETON: Innominate; acute greater sciatic notch (5).

LOWER LIMB: Femur; relatively large strong bone.

AGE: adult c. 25-35 yr.

SEX: *male

PATHOLOGY SUMMARY: calculus; morphological variation – mandibular right M3 additional meso-buccal cusp on side of crown

CONDITION: Tooth enamel only. Heavily degraded bone (5+) that illustrated also heavily degraded (4-5+).

context 3890

From area of fuel ash - ?dumped not *in situ*.

No sheets or other records.

COMMENT: No burnt bone – c. 20 scraps of degraded long bone shaft but cannot be conclusive as to whether this is animal or human.

context 3942

Grave 3762. In situ

AGE: adult c. 18-25 yr.

SEX: ?

PATHOLOGY SUMMARY: hypoplasia; calculus; morphological variation – mandibular M3s 5 cusps

CONDITION: mostly crown enamel, few roots. Green staining to crowns.

context 3954

Grave 3953. In situ.

No sheets or other records.

SKULL: 4 small, shattered fragment of tooth enamel. Looks permanent (less than 1/8th of a crown here) ... looks to be some occlusal wear.

AGE: juvenile-adult >8yr.

SEX: ?

context 3970

Grave 3951. In situ.

AGE: subadult-adult c. 18-25yr

SEX: ?

PATHOLOGY SUMMARY: hypoplasia; calculus

CONDITION: Crown enamel only.

context 3999

Grave 3998. In situ.

No sheets or other records.

SKULL: c. 15 shattered fragments permanent tooth enamel, none conclusive to tooth or side but includes;

min. 1 maxillary premolar & 1 mandibular P2 both with slight polish

min. one ?maxillary canine crown with polish & slight exposure of dentine.

min. one ?mandibular molar, ?M1 with flat occlusal polish.

AGE: adult c. 18-35 yr.

SEX: ?

CONDITION: Shattered & incomplete enamel.

context 4000

In situ remains in grave 3741; no. given out in post-excavation as had no previous number.

AGE: subadult/adult c. 15-25 yr.

SEX: ?

PATHOLOGY SUMMARY: hypoplasia

INCLUSIONS: 2 very small fragments burnt/cremated bone. Fragments ?horse bone/tooth.

context 4503

One of a minimum of two sets of remains (I only have 2 NOT 3) from grave 4502. See **4505**.

AGE: adult c. 20-30 yr.

SEX: ?

PATHOLOGY SUMMARY: calculus; morphological variation – large accessory cusp on disto-buccal side of mandibular M3 crown

morphological variation – one of several with accessory cusp on mandibular M3 crown.

context 4505

Remains of a minimum of two – contradiction here since the excavator mentions this as being distinct from 'skel's 1 & 2' in this grave, 4504 supposedly representing a single tooth from the second skeleton BUT I have no such tooth & nothing from context 4504 ... hence why this contexts had label 'skel 3' attached to it - individuals from grave 4502. See **4503**.

AGE: subadult/adult c. 15-20 yr.

SEX: ??male

CONDITION: Crown enamel only

context 4551

From fill of refuse pit 4550; fuel ash and animal bone.

No sheets.

SKULL: Right petrous temporal & external auditory meatus with postglenoid tubercle.

AGE: adult

SEX: ?

CONDITION: Slightly abraded (1).

context 4552

EBA Grave 4507. Comparative well preserved but not really. Excavator has this as 'crouched in foetal position' which from the sketch on the context sheet is incorrect, this is a flexed burial on its right side, not nearly tight enough for 'crouched' & certainly not foetal.

SKULL: Small teeth.

Mandible – right M3 socket remodelled, single ?socket (6 x 4mm) with reactive woven new bone around remaining socket margins; loss in alveolar height by 7mm labial. Infection spread mesially into M2 distal socket, some remodelling with reactive new bone.

AXIAL SKELETON: Innominate; greater sciatic notch angle tending obtuse (2-3).

LOWER LIMB: Femur; relatively gracile linea aspera. Very slight exostoses on right gluteal tuberosity.

Patella; very slight exostoses on anterior surface.

AGE: adult c. 25-35 yr.

SEX: *?female

PATHOLOGY SUMMARY: abscess; calculus

CONDITION: Much bone lost, that which is illustrated is fairly well preserved but variable 0-3. Right tibia crushed proximally, distal articular surface degraded.

COMMENT: NB. 'Ribs' inc. radius shaft. Left & right upper limb slightly mixed.

Left & right lower limb back-to-front suggest legs not quite as excavator thought.

context 4594

Grave 4593. *In situ*.

SKULL: Coronal suture almost fully fused.

LOWER LIMB: c. 1/3rd hip joint survived.

AGE: adult >30 yr.

SEX: ?? (vault very thin) female

CONDITION: Heavily degraded except illustrated part right hip (5-5+).
COMMENT: Nothing like what was recorded on site survives for osteological recording.

context 4612

Grave 4614. *In situ*.

SKULL: Mandible – squared mental protuberance (4-5); flared gonion; acute angle; long process; large broad condyle. Sockets fully resorbed, smooth curved alveolus. c. 8-9mm exposure of root.

Very large, rounded mastoid process (5). Very large, extended external occipital protuberance (5). Moderate-broad supra-orbital (3-4). Sagittal suture almost fully obliterated. Lambdoid well fused & partly obliterated. Coronal fully fused. Thick heavy vault. Large, heavy zygomatic arch.

AXIAL SKELETON: Thoracic; slight osteophytes on anterior both surface one; rest bodies incomplete.

Lumbar; slight uneven osteophytes on min. one margin one body, with slight degenerative disc disease on margins same.

Rib; Mild pitting in facet one left rib.

UPPER LIMB: Large robust bones. Hand bones very large.

Clavicle 15.1cm length; slight pitting dorso-inferior mesial articular surface, & mild in dorsal margin lateral articular surface.

Scapula; slight exostoses on lateral margins of right deltoid attachment.

Radius; left pronator teres attachments shows slight exostoses.

AGE: adult >50 yr.

SEX: * male

PATHOLOGY SUMMARY: *ante mortem* tooth loss; hypoplasia; exostoses – radius shaft; osteophytes – C1 anterior facet, right glenoid, left distal ulna, right carpal, left 1st MP joint (hand), 3 left prox. IP joints (hand), right acetabulum; pitting – right sterno clavicular, right acromion clavicular, left rib facets; degenerative disc disease – 1L; morphological variation – mandibular M3 slightly triangular form, wormian bone

CONDITION: Skull (0) but trashed, fresh breaks all along one side with no joins.

Most of bone in good condition (0-1); lower limb dramatically different, heavily degraded (5-5+) & almost chalky. Green staining to illustrated part of left hip joint.

COMMENT: Can only be described as ‘unfortunate’ that half of the best (read only) preserved skull from the site was remove by machine & the disturbed parts not recovered.

context 4658

Grave 4659. *In situ*.

AGE: adult c. 20-30 yr.

SEX: ??female

PATHOLOGY SUMMARY: calculus; morphological variation – mandibular M2s and M3s 5-cusp

CONDITION: Crown enamel only.

context 4662

Grave 4657. *In situ*.

SKULL: Very degraded but little apparent external occipital protuberance (2).

AGE: subadult/adult >15 yr.

SEX: ??female

CONDITION: Heavily degraded bone (5-5+) increasingly turning to dust.

context 4676

EBA Grave 4619. *In situ*. NB. bags erroneously labelled SLT00. Sheet also describes it as crouched which it is not, upper body is not flexed & arms are extended, only legs are flexed & then only “ 90 degrees from hip & slightly more acute at knee, otherwise this is supine, possibly slightly on left side.

SKULL: Mandible – robust, squared mental protuberance (5), strong, broad arch.

Max. c. 6mm exposure of root in anterior teeth. Fragment lateral left condyle & neck with 5.5mm deep rim osteophytes on dorsal margins of condyle; c. 3mm thick; lateral side (all there is) of head seems flattened & enlarged a-p.

Very broad supra-orbital margins (5), heavy brow ridge (5). Strong continuations zygomatic roots; large, robust zygomatic arches; broad, heavy malars.

AXIAL SKELETON: Cervical; large atlas. Lesions slight-mild.

Thoracic; slight osteophytes & surface new bone on margins one inferior articular process.

Lumbar; lesions generally slight-mild with more extensive lesions & surface modification in some facet.

Sacrum; spine only.

Innominate: Very small fragments left & right pubic symphyses; no surface pattern in fragments remaining, relatively smooth surface, marked but not strong borders (ventral – left - or dorsal - right). Very small fragment right greater sciatic notch, angle unclear but tending acute (4). Iliac crests strong & broad but no excessive exostoses.

UPPER LIMB: Bones clearly large & robust but very poorly preserved. Less than 1/8th of all right shafts remain (i.e. 1/8th for all three together); left slightly more but very fragmentary & probably max. c. half of each shaft remains.

LOWER LIMB: Large, robust long bones, very large foot bones. Left in poor condition & heavily fragmented by longitudinal splitting.

Left 1st metatarsal head 25.8mm p-d; >26.5mm m-l.

Femur; right warped; strong linea aspera.

Patella; slight exostoses on anterior surface.

Tibia; right proximal shaft, slight disruption of normal contours in medial surface just inferior to tubercle & on dorsal margins of surface. c. 20 x 15mm area smooth new bone, possibly exostoses smoothed into 2-3 small upstanding smooth ‘spicules’ along line collateral ligament attachment.

Fibula; disruption in line of shaft along medial-posterior margins of right proximal shaft c. 30mm inferior to head (missing) at upper end of soleus attachment; smooth bony callus over min. 15mm length, 7mm width, 3mm height. X-ray shows well headed lateral fracture.

AGE: adult >50 yr.

SEX: *male

PATHOLOGY SUMMARY: calculus; osteophytes - C1 articular surface, 1C

articular process, 1C body surface margins, 1T articular process, min. 1 L articular processes, left temporo-mandibular, left distal humerus & proximal ulna, left prox. IP joint (hand), right hip, right knee; pitting – 2L articular processes; eburnation – 1L articular process; exostoses – patella, right proximal tibia; callus – right proximal fibula shaft (fracture)

CONDITION: Iron panning with staining to bone and ‘lumps’ stuck on to some fragments. Degraded but variable, skull 4-5 (endo- & exocranial- plates commonly separated.; axial 4-5; upper limb 5; lower limb 3-4; much of trabecular bone gone, most in lower limb. Much longitudinal splitting.

context 4678

Grave 4677. Grave fill no., ?bone from sample. No bone from **4679** ‘skeleton’ number which those here would match.

AGE: adult c. 20-30 yr.

SEX: ??male

PATHOLOGY SUMMARY: hypoplasia

CONDITION: Crown enamel only, scraps of root survive in part.

context 4681

Grave 4680. Grave fill- no samples taken? Suspect this should be numbered **4682** since this is where the bone is mentioned.

No sheets or other records.

LOWER LIMB: From drawings it appears these 4 scraps of degraded long bone should be lower limb. Morphology very poor but do not look likely to be either femur or tibia .. ?fibula.

AGE: subadult/adult >13 yr.

SEX: ?

CONDITION: Heavily degraded 5.

context 4682

Grave 4680.

No sheets or other record.

AGE: subadult/adult >13 yr.

CONDITION: Heavily degraded fragments (mostly bags of dust) of long bone shaft – from one ‘decent’ piece suspect femur, from conservation.

context 4689

Grave 4688. In situ.

AGE: adult c. 30-45 yr.

SEX: ?

CONDITION: Crown enamel only.

context 4697

In situ remains from grave 3944, lifted with sword.

Sheet only.

AGE: adult

SEX: ?

CONDITION: Heavily eroded (5).

COMMENT: ?supposed to be 2 teeth from here. Bone covered in consolidant. Green copper-alloy staining at proximal end; black staining/adherence on rest.

context 4701

Grave 4699. 'Coffin' no. – no mention of bone or sample taken. No record of bone position.

AGE: adult *c.* 20-30 yr.

SEX: ??male

PATHOLOGY SUMMARY: hypoplasia; calculus

context 4717

Grave 4665. *In situ*

AGE: adult *c.* 20-30 yr.

SEX: ?

PATHOLOGY SUMMARY: calculus

CONDITION: Heavy degraded vault fragments, crown enamel.

context 4724

Grave 4655. *In situ*.

SKULL: Coronal and sagittal almost fully fused.

AGE: adult *c.* 20-30 yr.

SEX: ??male

PATHOLOGY SUMMARY: hypoplasia; calculus; morphological variation
mandibular M3 5 cusp

CONDITION: Crown enamel & degraded (plates separated) bone (4-5+).

context 4727

Grave 4726. *In situ*.

AGE: juvenile *c.* 7-10 yr.

SEX: ?

CONDITION: Degraded (eroded & root marked) 4.

context 4899

NB. This is the wrong number – may be 4599 from grave 4597?

NO sheets or other records.

SKULL: *c.* 12 small, heavily degraded (5+) fragments skull inc. left petrous temporal
and fragment mastoid process.

AGE: >5 yr.

SEX: ?

CONDITION: 5+

context 6204

Grave 6206. *In situ*.

AGE: subadult/adult c.17-20 yr.

SEX: ??male

PATHOLOGY SUMMARY: hypoplasia; calculus

CONDITION: Crown enamel only.

context 6230

Grave 6231. *In situ*.

SKULL: Small-medium pointed mastoid processes (2-3). No external occipital protuberance (1). Sutures c. 1/8th fused max.

AXIAL SKELETON: Axis; odontoid process – 11.6mm wide, 12.1mm deep; large facet.

Innominate; (NB. recorded on site as left). Acute greater sciatic notch (3-4). Billowing evident in inferior of auricular surface.

LOWER LIMB: Femur; head fully fused. Epihyseal line from fusion greater trochanter evident.

AGE: subadult/adult c. 17-19 yr.

SEX: *male

PATHOLOGY SUMMARY: caries; hypoplasia; calculus

CONDITION: variable, illustrated bone 1-4, rest 5+. Mostly tooth crowns, some root.

II. 2 Cremated Bone

See Table 00 for bone weights and percentage distribution by sieve fraction and identifiable skeletal elements, and maximum fragment sizes.

SLT98

context 5

Truncated urned burial, grave 6. 2 accessory vessels.

SKULL: Premolar root fragment. Fragment mandibular molar root.

Mandible – 3 small fragments body with minimum 1 molar socket & 2 anterior sockets. Inferior dorsal border fragment.

Right articular tubercle. 2 articular fissures. Fragments left & right petrous temporals (W1 = 10.9mm). Fragment frontal crest & foramen caecum. Fragment left frontal vault, min. slight ridge (2-3).

Vault; 47 fragments, sutures $\frac{1}{2}$ - fully fused. 1a = 5mm.

AXIAL SKELETON: Atlas – posterior arch fragment. Cervical; body fragment.

Rib; shaft fragment.

UPPER LIMB: Clavicle, medial shaft fragment.

Fragments humerus (6) & ulna (2) shaft.

Fragments 2 metacarpal shafts

Proximal phalanx base fragment.

LOWER LIMB: Fragments femur (10, pronounced but not large linea aspera) and tibia (8) shaft fragments.

Patella; fragment left.

AGE: adult >30 yr.

SEX: ?

context 49

Fill of truncated pit 15 (0.09m deep) containing remains of three vessels. Excavators has put same description of several sheets so its difficult to be sure where the bone really was, i.e. in the pit fill as suggested by its numbering, or from the vessel context 52 as implied by the sketch on the context records sheet. There is no bone from any of the vessel contexts. The PO in post-excavation has suggested the bone was probably originally in vessel context **52**, but this cannot be stated conclusively.

SKULL: Fragment occipital vault.

AGE: subadult/adult >13 yr.

PYRE GOODS: 0.4g animal bone.

context 56

Cleaning layer over grave 20. see **58**.

LOWER LIMB: Metatarsal shaft fragment.

context 58

Fill of truncated pit 20 (c. $\frac{1}{3}$ rd – $\frac{1}{2}$ remains; no depth recorded); remains of urned burial with accessory vessel.

SKULL: Vault; 3 fragments (1 blue/grey).

AXIAL SKELETON: Innominate; fragment right pubic symphysis, angle tending obtuse (3), no surface billowing, pitting in surface, strong lipping on dorsal border & fairly pronounced ridge on ventral border.

UPPER LIMB: Ulna; shaft fragment.

LOWER LIMB: Talus fragments.

Fragments metatarsal shaft (5th) , base with shaft fragment (right 4th).

AGE: adult >45 yr.

SEX: ?female

context 59

Bone & fuel ash spread throughout fill of grave cut 14, 0.54m diameter, 0.13m deep (there is only c. 50g bone so spread pretty thin). 4 vessel from this, bone in one of them – see **60 & 62**. This context probably redeposited pyre debris.

<8> *upper disturbed fill*

SKULL: Small fragment inferior of right nasal process – could join that from 60.

Vault; 3 small fragments.

AXIAL SKELETON: Rib; left shaft fragment with facet.

UPPER LIMB: Humerus; 3 fragments shaft.

Radius; fragment head. Shaft fragment. Small fragment distal articular surface.

LOWER LIMB: Femur; 2 fragments shaft.

Talus fragment.

GRAVE GOODS: 1.9g unburnt animal (?pig) molar.

<11> *lower in situ fill*

UPPER LIMB: Radius; 3 fragments shaft.

AGE: adult >18 yr.

SEX: ?

GRAVE GOODS: Unburnt animal

context 60

Disturbed urned burial (0.13m deep) – 3 accessory vessels. See **59** – grave fill & **62** from other vessel.

SKULL: Mandible – ramus fragment. 2 small fragments body with apices of min. 2 sockets.

Right malar process, relatively narrow. Left and fragment right nasal process (see **59**).

Vault; 40 fragments, sutures c. ¼ fused. 1a = 4.2mm.

AXIAL SKELETON: Atlas; fragment transverse process.

Cervical/thoracic; body fragment.

Thoracic; articular process pair.

Lumbar; fragments minimum 1 body.

Sacrum; fragment 5th body.

Rib; 13 fragments shaft. Fragments 2 right shafts with facets.

Innominate; fragments ilium including crest with epiphyseal line still evident. 3 fragments acetabulum.

UPPER LIMB: Clavicle; fragments minimum 1 gracile shaft.

Scapula; fragment acromion neck.

Humerus; small fragment head, 2 fragments shaft.

Radius; fragment smallish head c. 17-18mm diameter. 3 fragments shaft.
Ulna; 2 fragments shaft.
LOWER LIMB: Femur; fragment head with notch. Fragment lesser trochanter. 7 fragments shaft. Distal articular surface fragment.
Patella; fragment small right ; W= 35.1mm.
Tibia; 2 fragments shaft.
Metatarsal head with shaft fragment.
AGE: adult c. 18-25 yr.
SEX: ??female

context 62

From fill 2nd vessel in grave 14 – see **60**. Badly disturbed vessel (condition of vessel unknown so cannot tell if bone was from in situ base of vessel or amongst frags) to north of urned burial 60. ?inclusion of bone in here accidental or deliberate.
SKULL: Fragment left postglenoid tubercle & superior margin external auditory meatus.
Vault; 10 small fragments. 1a = 3.7mm.
UPPER LIMB: Clavicle; shaft fragment.
AGE: adult
SEX: ?
PYRE GOODS: 3.5g animal bone.

context 67.

Cleaning layer over grave 12. See **68**.
AXIAL SKELETON: Thoracic/lumbar; body fragment.
AGE: adult >21 yr.
SEX: ?

context 68.

Remains ?urned burial in grave 12. No context record - sketch suggests >half vessel survives but grave supposedly badly truncated & only 0.09m depth survives?
SKULL: Fragment right supra-orbital, narrow margin (2), no orbital lesions. 2 fragments mastoid. Frontal fragments with crest.
Vault; 67 fragments, sutures min. ½ fused. 1a = 4.7mm.
AXIAL SKELETON: Thoracic/lumbar body fragment.
Innominate; fragment ilium around greater sciatic notch (cannot see angle).
Acetabulum fragment.
UPPER LIMB: Humerus; neck fragment. Shaft fragment. Fragments distal articular surface.
Radius; fragment small left distal articular surface.
Fragment metacarpal head. Fragments 2 proximal/middle phalanges heads with shafts. Middle phalanx head fragment. Distal phalanx head with shaft.
LOWER LIMB: Fragments femur (4) and tibia (1) shaft.
Talus fragment.
AGE: adult >25 yr.
SEX: ?female

context 69

Fill from base of grave cut 12 ... suspect vessel was originally on base of cut & this has got there due to vessel being moved by the plough (see sketch & position of vessel). Grave fill or spill?

AXIAL SKELETON: Thoracic/lumbar body fragment with mild horizontal osteophytes.

AGE: adult >40 yr.

SEX: ?

PATHOLOGY SUMMARY: osteophytes – vertebral body surface margins.

context 82

cleaning layer over grave 21. See **83/4**.

SKULL: Vault; 2 small fragments.

AGE: subadult/adult >13 yr.

context 83/84

Remains of urned burial & grave fill, grave cut 21. Badly truncated, 0.06m depth survived.

SKULL: Small fragment petrous temporal.

Vault; 5 fragments inc. frontal & occipital (blue diploe). 1a = 4.7mm.

AXIAL SKELETON: Cervical/thoracic; body fragment.

UPPER LIMB: Humerus; 2 fragments shaft.

LOWER LIMB: Femur; 18 fragments shaft. Distal articular surface fragments.

Tibia; 4 fragments shaft.

AGE: adult >18 yr.

SEX: ?

context 85

Fill grave 16. Probably redeposited from disturbed burial **86**.

LOWER LIMB: Femur; shaft fragment.

Calcaneum fragment.

context 86

Truncated urned burial in grave cut 16. Vessel supposed fairly intact but only 0.07m depth survived? & bone visible on surface.

AXIAL SKELETON: Innominate; ilium fragment

UPPER LIMB: Humerus; 3 fragments shaft.

LOWER LIMB: Femur; 2 fragments shaft. 5 fragments minimum 1 distal articular surface.

Tibia; right proximal shaft & articular surface fragment. Condyle fragments. 3 fragments shaft inc. one with tuberosity.

AGE: adult

SEX: ?

context 96

Remains urned burial in grave cut 19. Heavily truncated only 0.06m survived (check), bone visible at surfaces.

SKULL: Malar body fragment.

UPPER LIMB: Ulna; left distal head, relatively large.
LOWER LIMB: Femur; fragment neck. Head fragment.
AGE: adult >20 yr.
SEX: ??male

context 100

cleaning over grave cut 22.
LOWER LIMB: Femur; 2 fragments shaft.
INCLUSION: small fragment immature animal bone (<0.1g)

context 101

Remains urned burial grave cut 22 (0.05m deep). Truncated & crushed by ploughing and machining.
SKULL: Vault; 1 very small fragment.
AXIAL SKELETON: Thoracic/lumbar body fragment with uneven horizontal osteophytes (mild-moderate) on margins.
UPPER LIMB: Humerus; shaft fragment.
LOWER LIMB: Femur; 14 fragments shaft (few blue inside).
Fragments tibia (1) and fibula (2) shaft.
Navicular fragment (right).
AGE: adult >40 yr.
SEX: ?
PATHOLOGY SUMMARY: osteophytes - vertebra

context 336

Fill of pit 337, 0.21m deep. Contains smashed and spread (over 0.58 x 0.33m) remains of an urned burial with redeposited pyre debris. As this was one of the deepest 'graves' either this was deliberately pulled out, smashed up and mixed in redeposition or the vessel was never whole to start with & the original deposit was a mix? ...?grave robbing in antiquity.
SKULL: Fragments minimum 1 mandibular incisor root, 1 premolar & 1 maxillary molar.
Mandible – fragment left condyle & neck, relatively gracile (depth 6.5mm). Fragment right coronoid process (gracile). Fragment sigmoid notch.
Left postglenoid tubercle and external auditory meatus margin, fragment joins. Articular tubercle. Fragment mastoid portion. Articular fissure. Left zygomatic tubercle and arch fragment. Fragment zygomatic arch. Fragment left nasal process. 5 small fragments supra-orbital inc. left lateral with narrow-medium margin (3). Fragment dorsal margin foramen magnum. Occipital fragment with min. mild-medium external occipital protuberance (2). Fragment right inferior lateral parietal with lambdoid suture just above asterion, min. 2 small wormian bones 12 x 9mm. Fragment occipital condyle.
Vault; 159 fragments, sutures generally 2/3 fused. 1a = 4.5mm.
AXIAL SKELETON: Atlas; fragment right superior articular surface & posterior arch. Axis; fragment odontoid process (blue inside). Cervical; small fragment small body. Fragments 9 articular processes.
Thoracic; body fragment. Fragments 16 articular processes, 1 with slight osteophytes on facet margins.

Lumbar; body fragment.
 Rib; 43 fragments shaft.
 Innominate; fragments ilium with crest – one with visible epiphyseal line?2
 fragments auricular surface. Fragment acetabulum.
 UPPER LIMB: Clavicle; shaft fragment.
 Scapula; body fragment.
 Humerus; 3 small fragments head. 21 fragments shaft.
 Radius; 5 fragments shaft. Distal articular surface fragment.
 Ulna; fragment right coronoid surface.
 Metacarpal; 4 fragments head. 2 shaft fragments.
 Proximal phalanx base fragment, head with shaft fragment. Fragments 4 middle
 phalanges heads with shaft fragments – small 2.6mm destructive lesion in one side of
 one head, smooth margins. 3 distal phalanges heads with shaft fragment (1 grey).
 LOWER LIMB: Femur; 33 fragments shaft (few slightly grey), moderate linea
 aspera. Fragment distal articular surface.
 Tibia; fragments proximal condyle (1 grey). 14 fragments shaft. Fragment distal
 articular surface.
 Fibula; 7 fragments shaft.
 Fragment calcaneum posterior surface with slightly exostoses. Fragments minimum 1
 talus. Intermediate cuneiform fragment (small). Metatarsal shaft fragment.
 Part of small sesamoid (blue/grey).
 AGE: adult >30 yr.
 SEX: ??female
 PATHOLOGY SUMMARY: osteophytes – thoracic articular process; destructive
 lesion – finger phalanx; exostoses – calcaneum; morphological variation –
 wormian bone
 PYRE GOODS: Very small fragment ?animal bone 0.1g

SLT98C

context 1030

Fill inhumation grave 1031.
LOWER LIMB: Tibia; shaft fragment.
AGE: subadult/adult >13 yr.

context 1118

Fill inhumation grave 1137.
SKULL: Vault fragment.
UPPER LIMB: Ulna shaft fragment.
AGE: subadult

context 1155

Fill inhumation grave cut 1154.
UPPER LIMB: Humerus; shaft fragment.
AGE: subadult/adult

context ? SLT98

No number on bag – check and see where should have bone from & haven't?
Currently U/S.

SKULL: Mastoid fragment. Fragment posterior zygomatic rich.
Vault; 5 fragments relatively thin vault.
UPPER LIMB: 2 fragments metacarpal shaft.
LOWER LIMB: Femur; 2 fragments shaft.
AGE: subadult/adult

SLT99

context 2208/2209

Fills of cut 2210, ?1.0 x 0.30m (0.94 x 0.82m?), 0.30m deep; 2208 comprised upper fill and 2009 lower but both were sampled as one in one half <18>, <25> being other half of 2208 only.

'Dark burnt soil' (?meaning fuel ash rich or burnt soil) components apparently mixed. ?unurned burial + rpd or ?redeposited pyre debris .

<18>

SKULL: Vault; 2 small fragments.

UPPER LIMB: Ulna; styloid process.

AGE: subadult/adult

<25>

SKULL: Vault; 8 small fragments.

UPPER LIMB: Humerus; shaft fragment. Distal articular surface fragment.

Middle phalanx head with shaft fragment.

LOWER LIMB: Femur; shaft fragment.

AGE: subadult/adult

SEX: ?

CONDITION: Charcoal stained.

context 2216

Fill cut 2215. Compact deposit ?mixed cremated bone & fuel ash-rich, mostly in upper half of fill; 0.10m deep, 0.38m diameter. Looks like badly truncated - ?remains unurned burial + redeposited pyre debris OR just redeposited pyre debris ?

SKULL: 2 very small fragments tooth root apices.

Fragment right external auditory meatus margin (superior). Fragment large mastoid process.

Vault; 30 small fragments.

AXIAL SKELETON: Rib; shaft fragment.

Innominate; acetabulum fragment.

UPPER LIMB: Clavicle; shaft fragment.

Humerus; fragment sigmoid notch.

Distal phalanx head with shaft fragment.

LOWER LIMB: Femur; shaft fragment.

Sesamoid bone fragment.

AGE: adult

SEX: ?

context 2232

Fill cut 2232, 0.40m diameter, 0.20m deep. Frequent fuel ash & bone - ?distribution.

SKULL: Premolar root & fragment min. 1 other root.

Mandible – small fragment body with minimum 2 sockets. Fragment right petrous temporal.

Occipital fragment with small/neg. external occipital protuberance (2). Fragment pointed left mastoid process. Articular fissure.

Vault; 20 fragments. 1a = 3.6mm.

AXIAL SKELETON: Cervical; 2 articular process pairs, 1 articular process; spine fragment.
 Thoracic; fragments 3 articular processes, 2 with spine fragments.
 Lumbar; spinal process fragment.
 Rib; 4 fragments shaft inc. 1 right with facet.
 Innominate; fragments ilium with fused crest.
 UPPER LIMB: Humerus; head fragment. 9 fragments shaft. Distal articular surface fragment.
 Radius; fragment head diameter >19mm.
 Ulna; fragment left coronoid surface.
 Metacarpal head fragment. Fragments 2 proximal phalanges heads with shaft. Middle phalanx head with shaft fragment – uneven mild osteophytes on all margins. Distal phalanx head with shaft fragment.
 LOWER LIMB: Femur; 4 fragments shaft. 2 fragments distal articular surface.
 Patella; fragments anterior surface with mild exostoses.
 Tibia; proximal condyle fragment. 3 fragments shaft.
 Fibula; 2 fragments shaft.
 Fragments calcaneum and talus. Proximal phalanx base with shaft fragment.
 AGE: adult >35 yr.
 SEX: ??female
 PATHOLOGY SUMMARY: osteophytes – middle finger phalanx; exostoses – patella
 PYRE GOODS: 5g animal bone (?sheep).

context 3007

Fill cut 3008. True extent of deposit unclear due to lack of dimensions & no scale on sketch ... plan no give is pre-exc. only at 1:100. Clearly deposit was confined to a central area of the cut prob. c. 0.25-0.30m diameter, 0.19m deep. Frequent fuel ash & bone, 'mixed by worm & root action' (sectional excavation would have helped here). Probably unurned burial + redeposited pyre debris .
 SKULL: Fragments minimum 2 mandibular incisor roots, 2 I/C/P roots & minimum 2 maxillary molar roots.
 Mandible – right ramus fragment with coronoid process, sigmoid notch & condyle neck, process short & sharp. Fragment matching left coronoid process. Anterior labial body fragments with mild-moderate spines. Right disto-labial body fragment with M1-3 sockets. 2 small fragments body, one with sockets.
 Maxilla – left half anterior palate with I1-PO2 sockets.
 Left articular tubercle and fragment one other. Fragments right nasal process. Mastoid fragment. Superior of left malar process. Right lateral supra-orbital with medium-broad margin (3-4).
 Vault; 62 fragments (c. 6 blue/grey). Sutures up to ¼ fused.
 AXIAL SKELETON: Atlas – left articular surfaces, relatively small. Axis; fragment small odontoid process. Fragment body with right articular surface (small body). Cervical; 2 small bodies. 3 articular process pairs & 4 articular process. Spinal process.
 Thoracic; fragments 2 bodies; 10 articular processes. 2 spinal processes.
 Lumbar; fragment body. Fragment articular process.
 Rib; 22 fragments shaft. Fragments 2 left heads, one right shaft with facet.

Innominate; small fragment greater sciatic notch, angle tending obtuse (3). Fragment small ischial crest. Iliac crest (fused) fragment. Fragment right auricular surface.

UPPER LIMB: Clavicle; shaft fragments (2).

Scapula; fragment acromion neck.

Humerus; 3 fragments head. 7 fragments shaft. Distal articular surface fragments.

Radius; 4 fragments shaft. Left distal shaft with fragment articular surface. Ulna surface fragment.

Ulna; fragment right proximal shaft with coronoid & radial surface. Coronoid fragment. Shaft fragment. Small left distal shaft fragment with head & process.

Fragments very small left & right scaphoids. Fragment small trapezoid. 4 metacarpal heads; 5 fragments shaft. 2 proximal phalanges heads, 1 head with shaft fragment & 2 shaft fragments. Middle phalanx, fragments minimum 4 heads with shaft fragments, 2 bases with shaft fragment. 4 distal phalanges inc. 1st & shaft fragment.

LOWER LIMB: Femur; 16 fragments shaft. 2 distal articular surface fragments.

Patella; fragment (grey).

Tibia; 6 fragments shaft. Small distal articular surface fragment.

Fibula; 5 fragments shaft. Fragment right distal head.

Fragments talus, navicular, cuboid & intermediate cuneiform. Metatarsal base with shaft fragment, 3 shaft fragments. 3 proximal phalanges heads with shaft fragments, inc. 1st. Middle phalanx shaft fragment. Distal phalanx.

AGE: adult c. 25-40 yr.

SEX: ?female

CREMATION: blue/grey – few vault; grey - patella

context 3115

Fill pit 3116; 0.58m diameter, 0.17m deep. Supposed uniform fill, fuel ash-rich?. redeposited pyre debris ?

SKULL: Vault fragment. 1a = 3.6mm.

LOWER LIMB: Patella; fragment anterior surface, very slight exostoses.

AGE: adult

SEX: ?

PATHOLOGY SUMMARY: exostoses – patella

CONDITION: charcoal stained.

context 3701

From cut 4757. No details about the deposit other than it contained pottery & wasn't fully excavated ...

SKULL: Vault fragment.

UPPER LIMB: Radius; shaft fragment.

AGE: subadult/adult

context 3704

Fill ?grave cut 3705. 0.28m deep deposit, c. 0.80-0.90m diameter. Common fuel ash & cremated bone – no info. on distribution of components and all recovered in single block. ?Unurned burial + redeposited pyre debris or redeposited pyre debris?

SKULL: C/P root fragment & fragments minimum 1 maxillary molar root.

Maxilla – fragment left palate, no indication of any sockets which suggests at least some *ante mortem* tooth loss.

Very small, gracile left zygomatic arch fragment. Left postglenoid tubercle & external auditory meatus fragment. Mastoid fragment.

Vault; 60 fragments (7 slightly blue/grey & less well preserved). 1a = 3.3mm. Sutures open. 3 wormian bones, max. 16 x 18mm.

AXIAL SKELETON: Cervical; 2 articular process fragments.

Thoracic; body fragment with rib facet & articular process. 7 articular processes. Spine fragment.

Sacrum?; unclear exactly what this is but it looks most likely to be sacrum, possibly superior surface of several fragments grossly modified surface with pitting & new bone creating a slightly 'melted' appearance, all fine grained.

Rib; 11 fragments shaft.

Left greater sciatic notch, moderate angle, tending acute (3-4). Iliac crest fragment. Fragment acetabulum.

UPPER LIMB: Scapula; fragment acromion neck.

Humerus; 3 small fragments head. 15 fragments shaft inc. neck. Distal articular surface fragment with mild pitting & slight new bone along a-p margin between surfaces.

Radius; small fragment head. 6 fragments shaft inc. distal posterior.

Ulna; 6 fragments shaft inc. proximal with tuberosity. Small fragment small distal head with shaft.

Fragments 3 metacarpal heads, 4 fragments shaft. Proximal phalanx head with shaft fragment. 4 fragments proximal/middle phalanges shafts, 2 heads with shafts. Fragments minimum 6 middle phalanges heads with shaft fragments; one with slight osteophytes on at least one side of head; one with remodelled contours, extended laterally & medially, slight osteophytes on margins of head, especially one palmar side, small (c. 4.5mm diameter) area of eburnation and pitting in one side of head (PHOTO). Distal phalanx with slight osteophytes on articular surface margins & pitting in surface, fragment base & shaft with same but slightly heavier lesions; 3 heads with shaft fragments

LOWER LIMB: Femur; head fragment. 20 fragments shaft. Distal articular surface fragment.

Patella fragment.

Tibia; fragment condyle. 6 fragments shaft.

Fibula; 7 fragments shaft. Small fragment distal head with shaft.

Talus fragments. Fragment 5th metatarsal base with shaft; shaft fragment. 2 proximal phalanges heads with shaft fragments. Fragment right distal phalanx (very small!).

AGE: adult >40 yr.

SEX: ??female

PATHOLOGY SUMMARY: ?*ante mortem* tooth loss; ?infection - ?sacrum; osteoarthritis – middle finger phalanx; osteophytes – distal humerus, middle finger phalanges; pitting – distal humerus

CONDITION: Charcoal stained.

context 3708

Central fill 3709 (?rest 'contamination'). 0.20m depth, c. 0.60m wide. Common fuel ash, rare cremated bone. Distribution of components not recorded &

cannot deduce since all lifted as one but looks most like redeposited pyre debris with only 18g bone.

SKULL: Vault; 5 small fragments.

AXIAL SKELETON: Atlas; small fragment anterior arch with facet, slight osteophytes on facet margins. Cervical articular process pair, one facet with uneven, mild margins osteophytes and slight surface pitting.

AGE: adult >40 yr.

SEX: ?

PATHOLOGY SUMMARY: osteophytes – cervical; pitting – cervical articular process.

context 3711

Cut number not fill – presumably should be 3710. Heavily truncated deposit, 0.07m max. Frequent cremated bone. ?Remains of unurned burial.

SKULL: Minimum 1 mandibular incisor root; premolar root with flat but angled (45% labial/palatal) occlusal wear.

Mandible – fragment anterior ramus border; fragment sigmoid notch.

Fragments minimum right petrous temporal. Fragments mastoid process. Articular fissure. Fragment right postglenoid tubercle and external auditory meatus margin. Small fragment left lateral supra-orbital medium-broad margin (3-4). Superior nasal process fragment.

Vault; 70 fragments. 1a = 6.2mm.

AXIAL SKELETON: Thoracic; articular process fragment with moderate marginal osteophytes and mild pitting in surface.

Thoracic/Lumbar; body fragment with c. 3mm moderate osteophytes, uneven horizontal form surface.

Rib; 4 fragments shaft.

UPPER LIMB: Scapula; acromion neck fragment.

Fragments radius (2) and ulna (3) shaft.

Metacarpal shaft fragment. Middle phalanx shaft fragment.

LOWER LIMB: Femur; 7 fragments shaft.

Tibia; fragment proximal condyle. Shaft fragment.

AGE: adult >40 yr.

SEX: ??male

PATHOLOGY SUMMARY: osteophytes – T/L body surface margins, T articular process; pitting – T articular process.

context 3721

Redeposited in modern trench.

SKULL: Mandibular incisor root.

AGE: adult

SEX: ?

context 3725

Post hole fill + fragments fuel ash.

SKULL: Vault; 2 small fragments.

AGE: >infant c. 8yr. +

context 3731

Fill inhumation grave cut 3741

SKULL: Small fragment vault. 1a = 4.6mm

AGE: adult

SEX: ?

context 3750

Fill inhumation grave cut 3751

SKULL: Vault; 6 fragments. 1a = 2.7mm

LOWER LIMB: Femur; 4 fragments shaft. Fragment greater trochanter.

Fragments tibia & fibula shaft.

AGE: adult

SEX: ?

context 3752

Fill of pit 3753, 0.50m diameter, 0.28m deep. Common fuel ash inclusions & 'common' (6.2g in this size of pit?) cremated bone. Distribution of components not recorded but could mean looked 'common' at surface (i.e. all there) or could come from looking at the section (?was one done), unlikely to be observations made during excavation.

Most likely redeposited pyre debris

SKULL: Vault; 5 small fragments.

LOWER LIMB: Fragments tibia and fibula shaft.

AGE: subadult/adult >13 yr.

SEX: ?

context 3776

Fill of heavily truncated cut 3777, 0.62 x 0.38m, 0.03m deep. Rare cremated bone ... no mention of fuel ash inclusions but description mentions 'ash' & 'pyre remains' records unclear and confused due to language problems. Cremation-related deposit.

SKULL: Vault; fragment.

UPPER LIMB: Humerus; shaft fragment.

AGE: subadult/adult

SEX: ?

context 3782

Fill inhumation grave cut 3764.

SKULL: Vault fragment. Sutures open.

AGE: subadult/adult

SEX: ?

context 3805

Fill of cut 3806 – within centre of cut, dimensions not known since not given but c. 0.20m diameter, no depth stated (probably shallow). Cremated bone (5.5g only) and fuel ash. Cremation-related deposit.

SKULL: Canine root. Fragments minimum 1 other root.

Vault; 4 small fragments.

AGE: subadult/adult

SEX: ?

context 3809

Fill around 3805.

SKULL: Vault; 5 small fragments.

AGE: >infant

context 3865

Fill inhumation grave cut 3864.

SKULL: Vault fragment. 1a = 4.4mm.

UPPER LIMB: Scapula; acromion neck fragment.

Humerus; shaft fragment.

LOWER LIMB: Femur; 3 fragments shaft.

AGE: adult

SEX: ?

context 3867

Fill inhumation grave 3866.

SKULL: Vault; 2 fragments.

AXIAL SKELETON: Rib; 2 fragments shaft.

AGE: subadult/adult

context 3884

fill inhumation grave.

SKULL: Vault; 3 fragments.

UPPER LIMB: Fragments humerus (2) and radius (1) shaft.

LOWER LIMB: Fragments femur and tibia shaft.

AGE: subadult/adult

SEX: ?

context 3917

Fill ditch 3918

LOWER LIMB: Fibula; shaft fragment.

AGE: subadult/adult

SEX: ?

context 3999

Fill inhumation grave 3998.

UPPER LIMB: Metacarpal shaft fragment.

AGE: subadult/adult

context 4717

Fill inhumation grave 4665

SKULL: Vault fragment.

AGE: subadult/adult

SEX: ?

INCLUSIONS: 10.4g /13 fragments burnt flint recovered in osteological analysis.