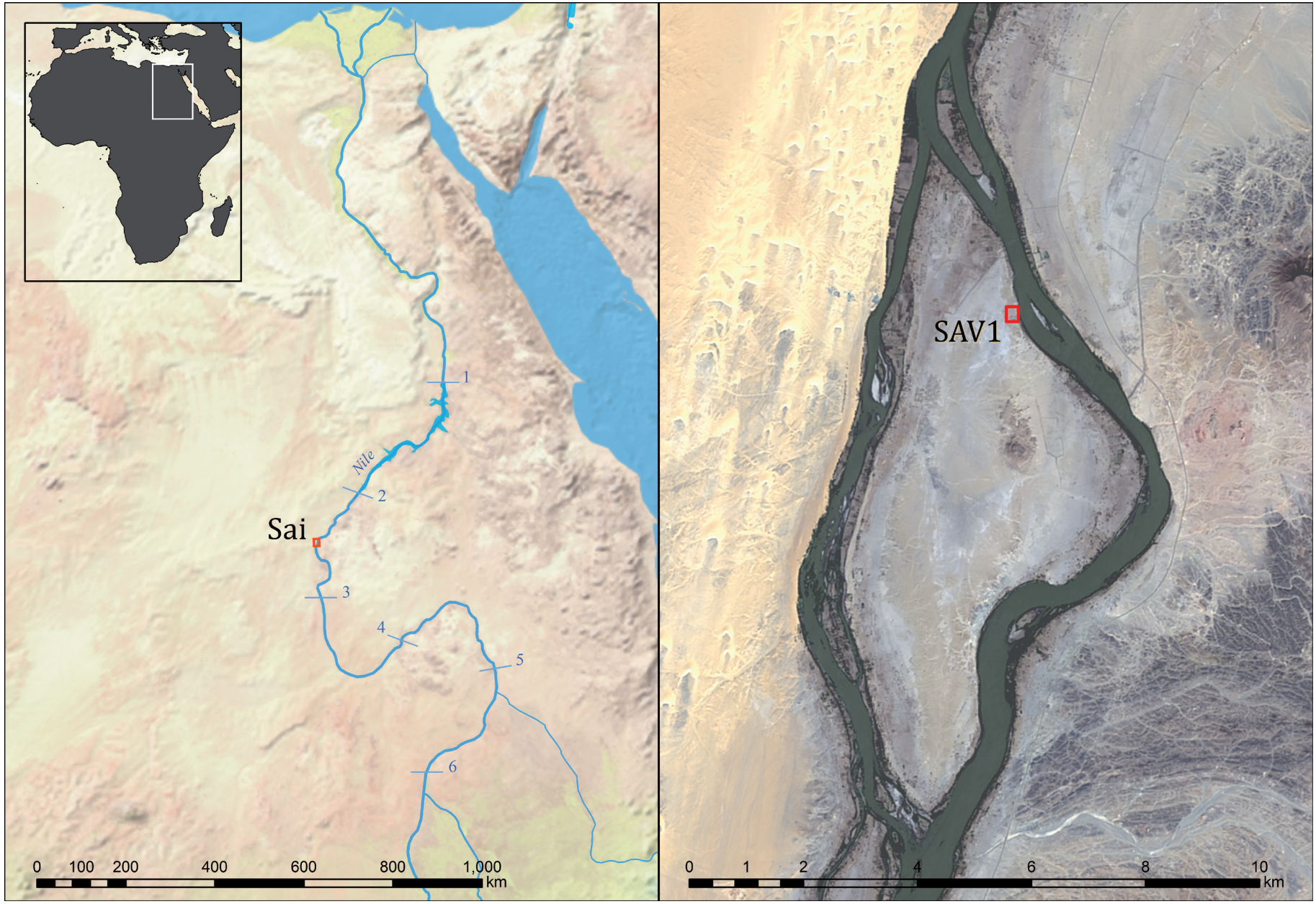
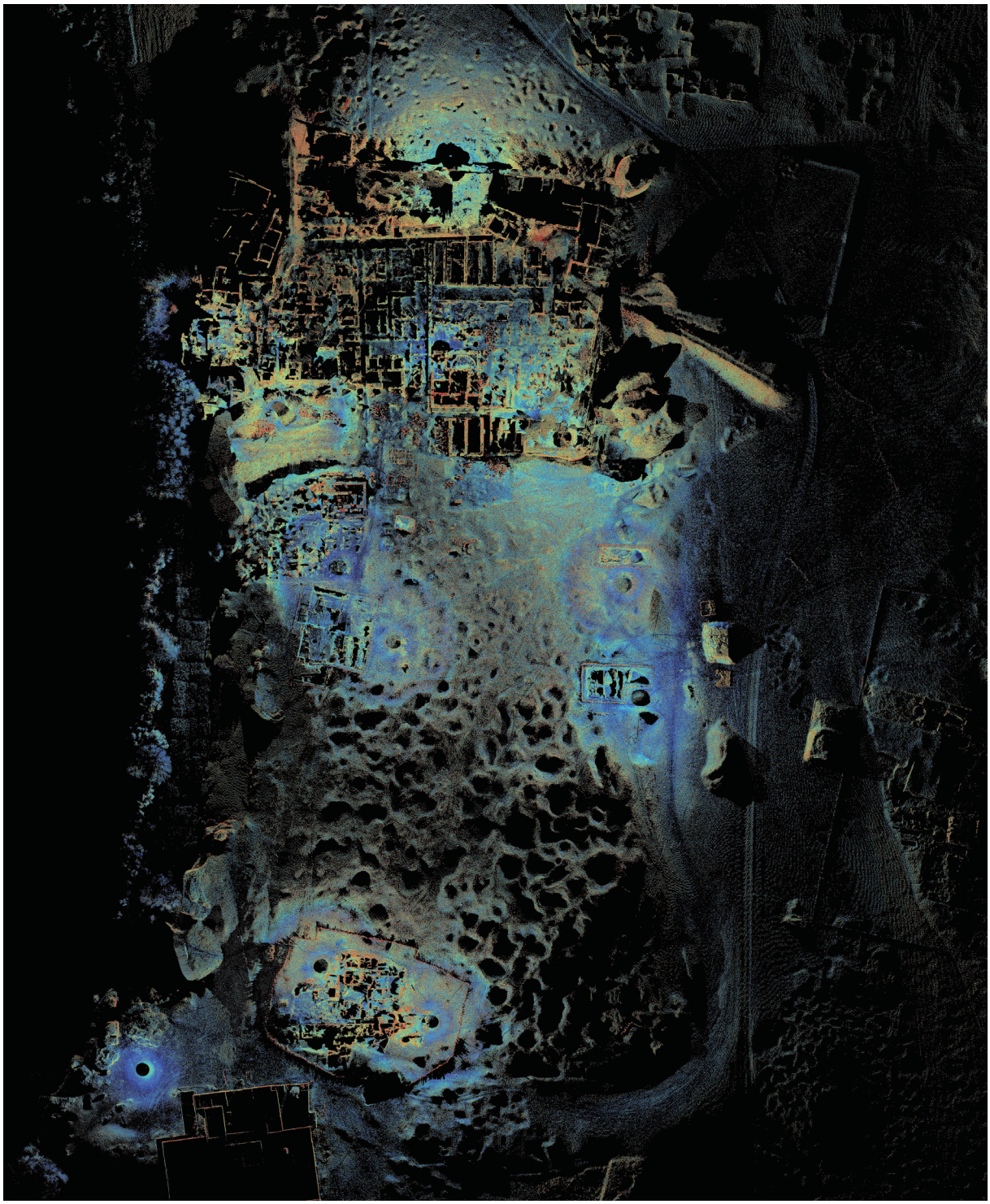
PLATES



Pl. 1 Location of Sai Island in Sudan; location of SAV1 (New Kingdom town) on Sai Island



Pl. 2 Results of the 3D scan of the area of the New Kingdom town of Sai. © Robert Kalasek, TU Wien



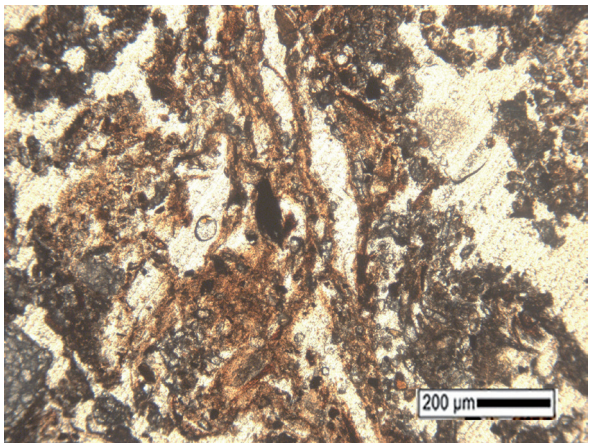
Pl. 3 Nubian sandstone at Sai Island, east of the excavation house showing toppling failure



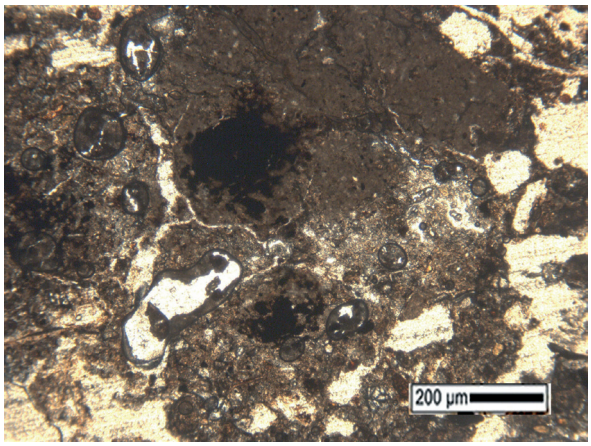
Pl. 4 Mud brick remains along the eastern side of the New Kingdom town and possible orientation of the enclosure wall



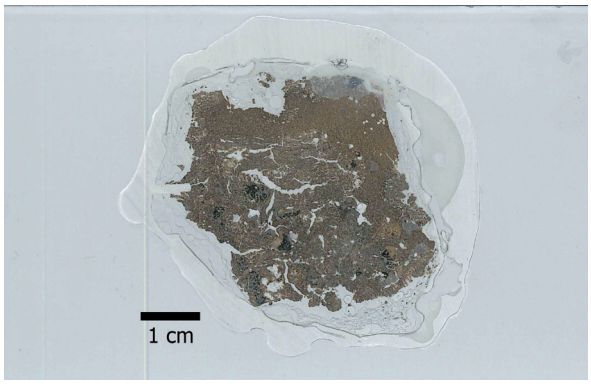
Pl. 5 Stone anchor from the New Kingdom town area



Pl. 6 Thin section of Sample 9/4, humified organic matter in a sandy matrix (PPL)



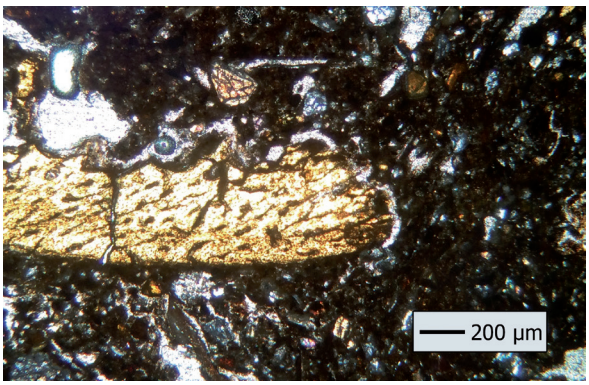
Pl. 7 Thin section of Sample 9/4, dendritic redoximorphic nodule impregnating allochthonous sedimentary crust fragment (PPL)



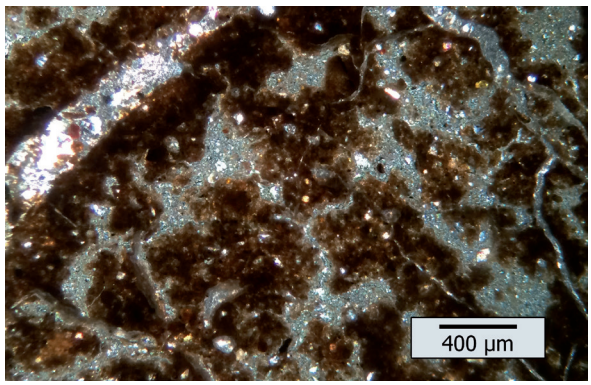
Pl. 8 Thin section of Sample 9/5, macrophoto



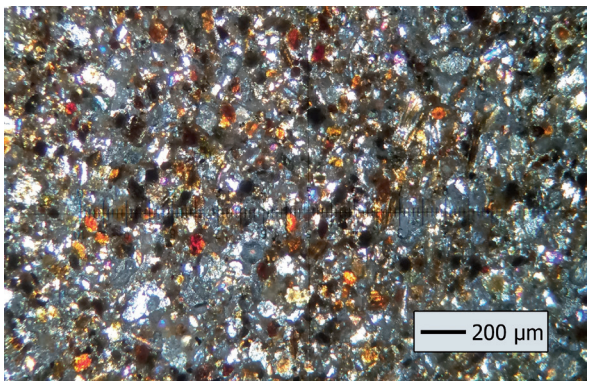
Pl. 9 Thin section of Sample 5/1, macrophoto



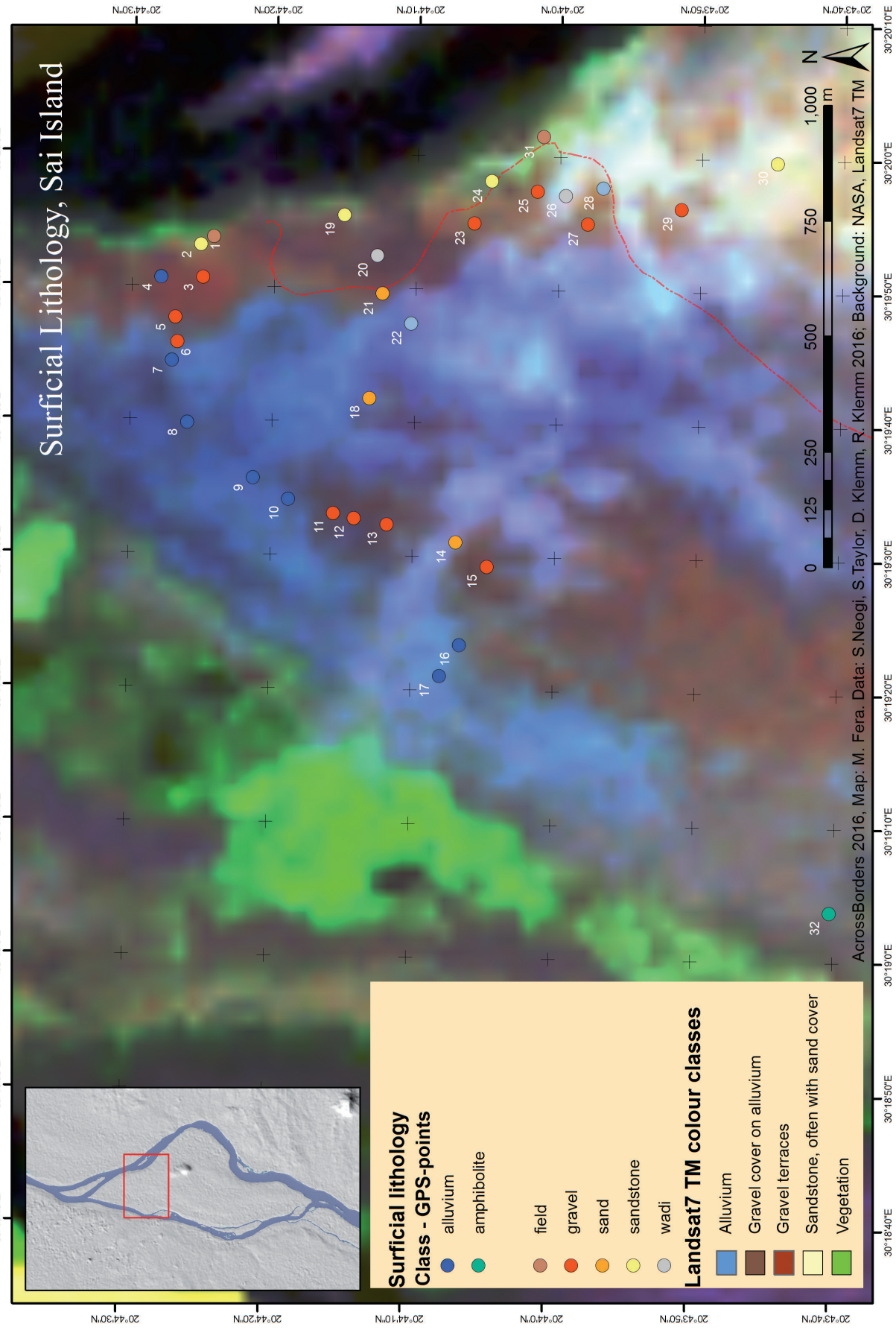
Pl. 10 Thin section of Sample 5/2, fragment of a bone (XPL)



Pl. 11 Thin section of Sample 1/1, crystallitic b-fabric due to re-precipitation of calcium carbonate (XPL)



Pl. 12 Thin section of Sample 2/1, porous sediment. Well sorted sand and the organic matter (PPL)



Pl. 13 Surface map of the vicinity of the New Kingdom town of Sai



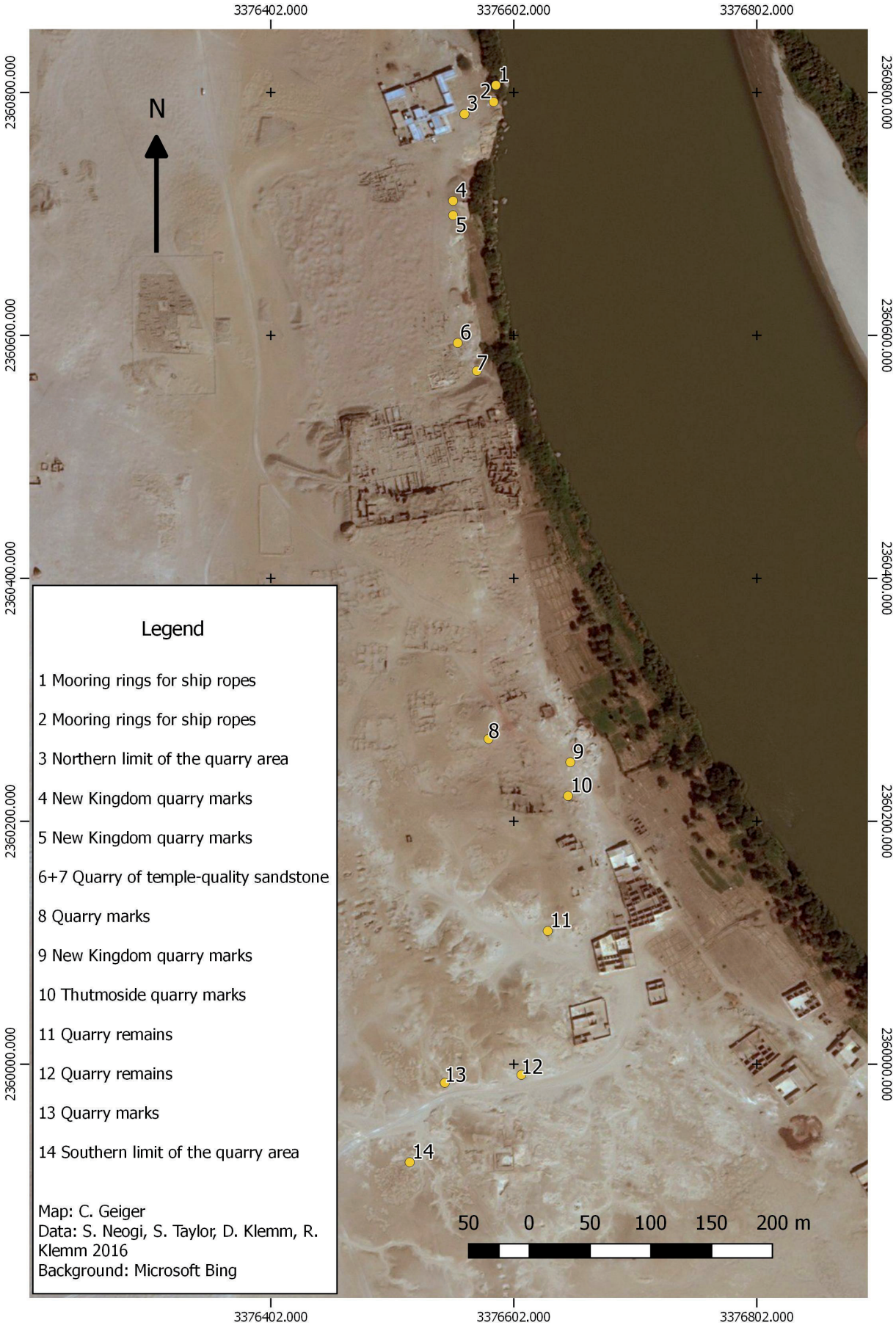
Pl. 14 Gebel Abri, view from southwest



Pl. 15 Sandstone quarry southeast of the excavation house



Pl. 16 Sandstone quarry along the eastern side of the New Kingdom town, near the cultural land



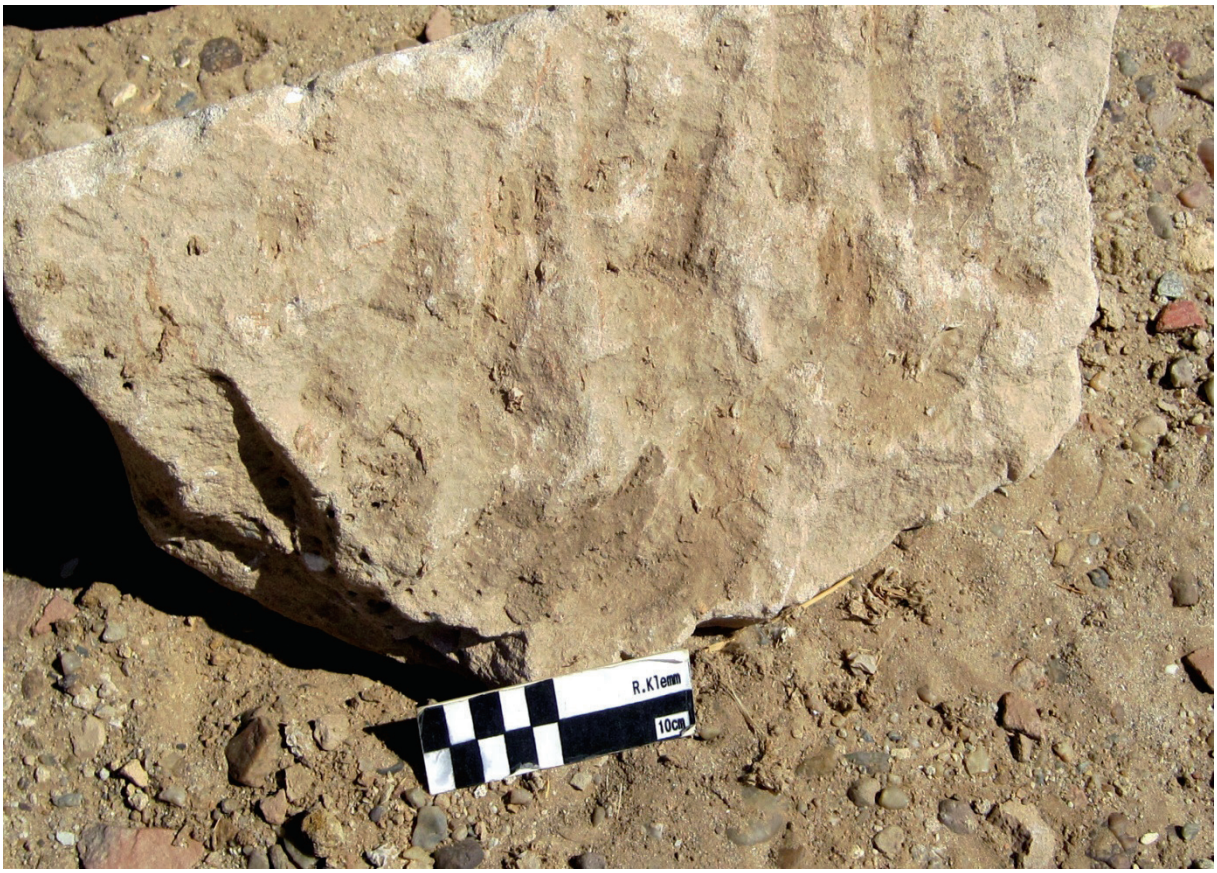
Pl. 17 Map of the sandstone quarry remains of New Kingdom Sai



Pl. 18 View of the sandstone quarry east of Temple A



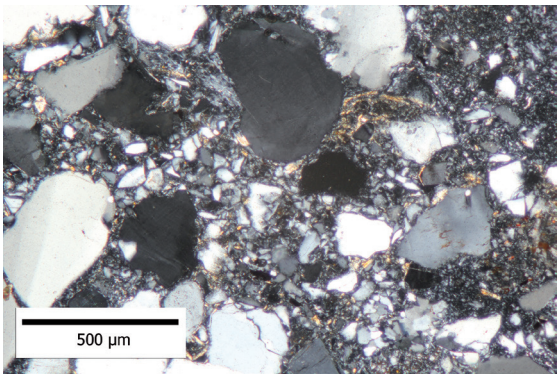
Pl. 19 An out cut for a column drum in one of the sandstone quarries at Sai



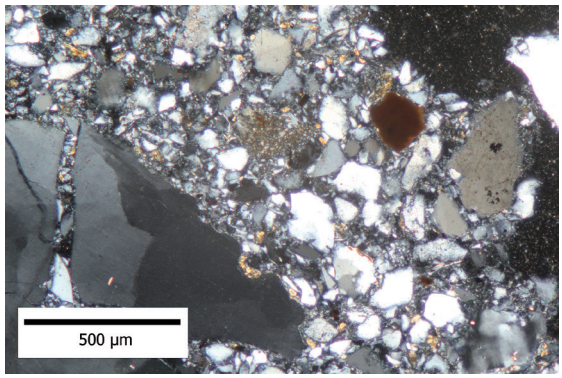
Pl. 20 Quarry marks typical for the time of Thutmose III



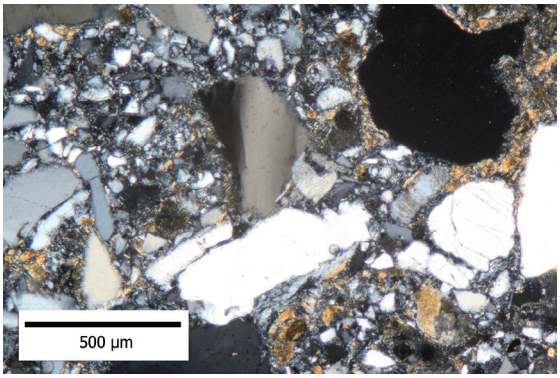
Pl. 21 Herringbone quarry marks



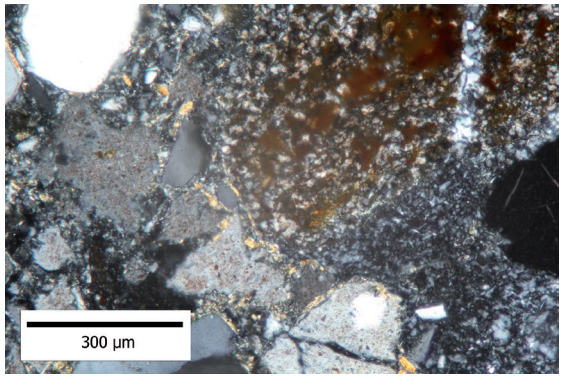
Pl. 22 Thin section Sample 2, heterogenous quartz arenite of very poorly sorted quartz grains, subrounded to rounded



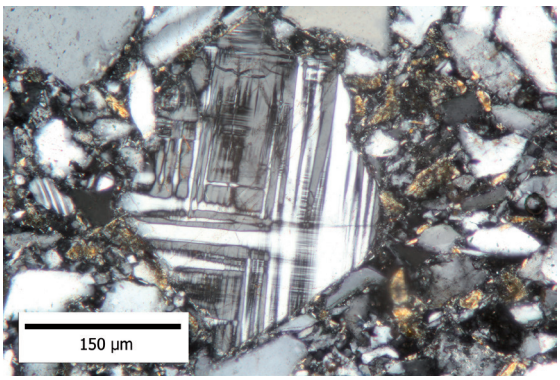
Pl. 23 Thin section Sample 2. This photomicrograph shows a bi-modal grain size



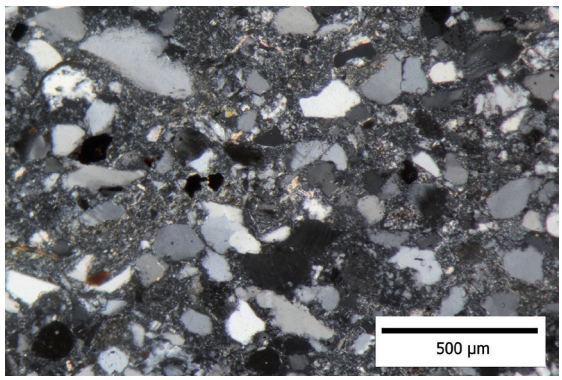
Pl. 24 Thin section Sample 2, a detail of the quartz arenite



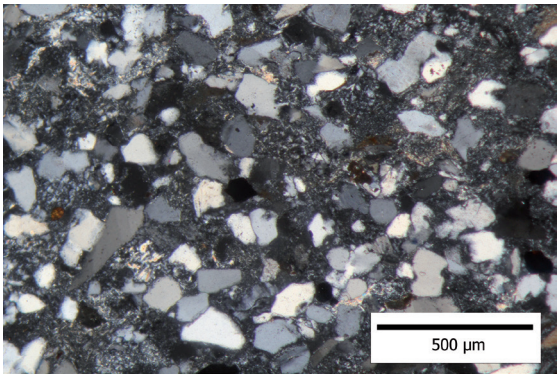
Pl. 25 Thin section, detail of Sample 2



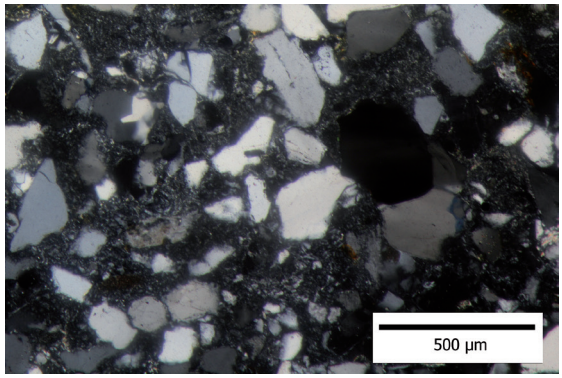
Pl. 26 Thin section Sample 2, detail of the one of the subsidiary minerals, namely microcline



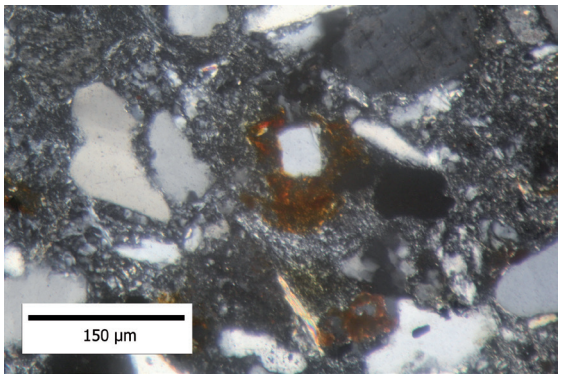
Pl. 27 Thin section Sample 3



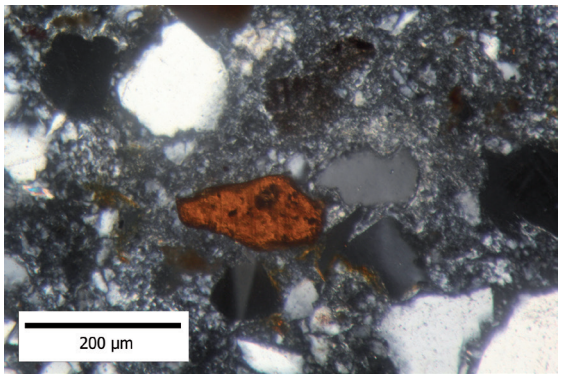
Pl. 28 Thin section Sample 3



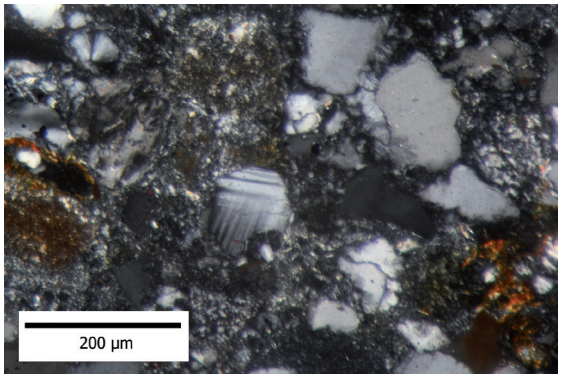
Pl. 29 Thin section Sample 4



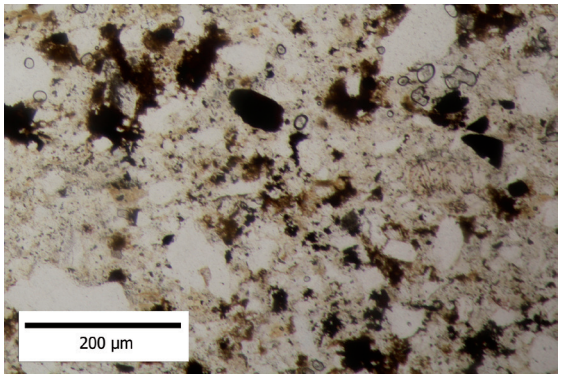
Pl. 30 Thin section Sample 4 (XPL)



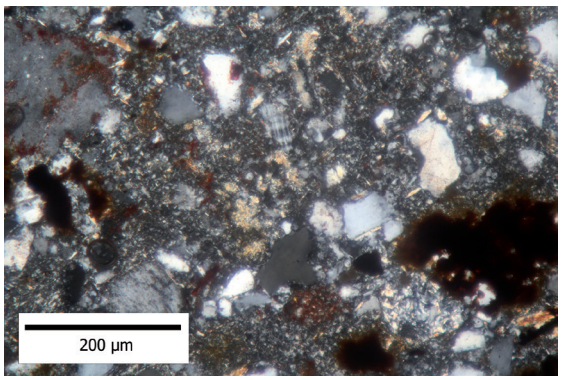
Pl. 31 Thin section Sample 4 (XPL)



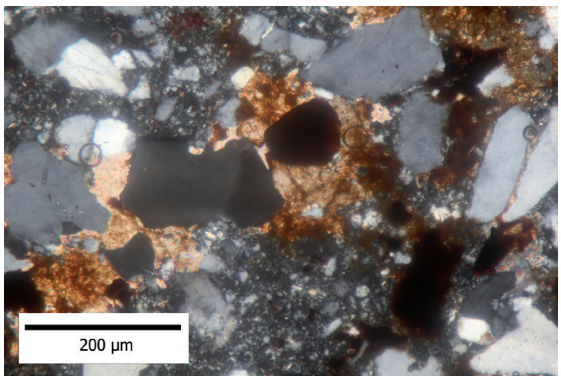
Pl. 32 Thin section Sample 4 (XPL)



Pl. 33 Thin section Sample 5 (PPL)



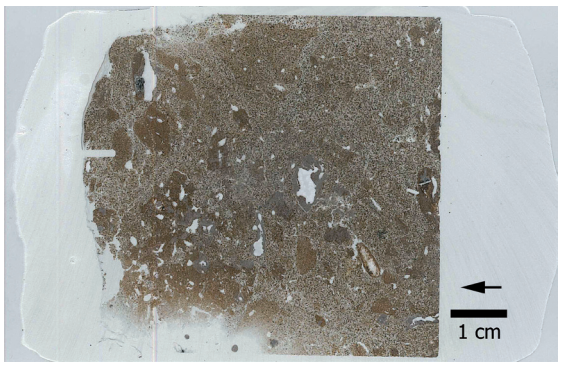
Pl. 34 Thin section Sample 5 (XPL)



Pl. 35 Thin section Sample 5 (XPL)



Pl. 36 Thin section Sample 15, East Section, macrophoto



Pl. 37 Thin section Sample 15, South Section, macrophoto



Pl. 38 SAV1 East prior to excavation, view to north



Pl. 39 Northeast corner of SAV1 East. Foundation trench Feature 31 south of Wall 30



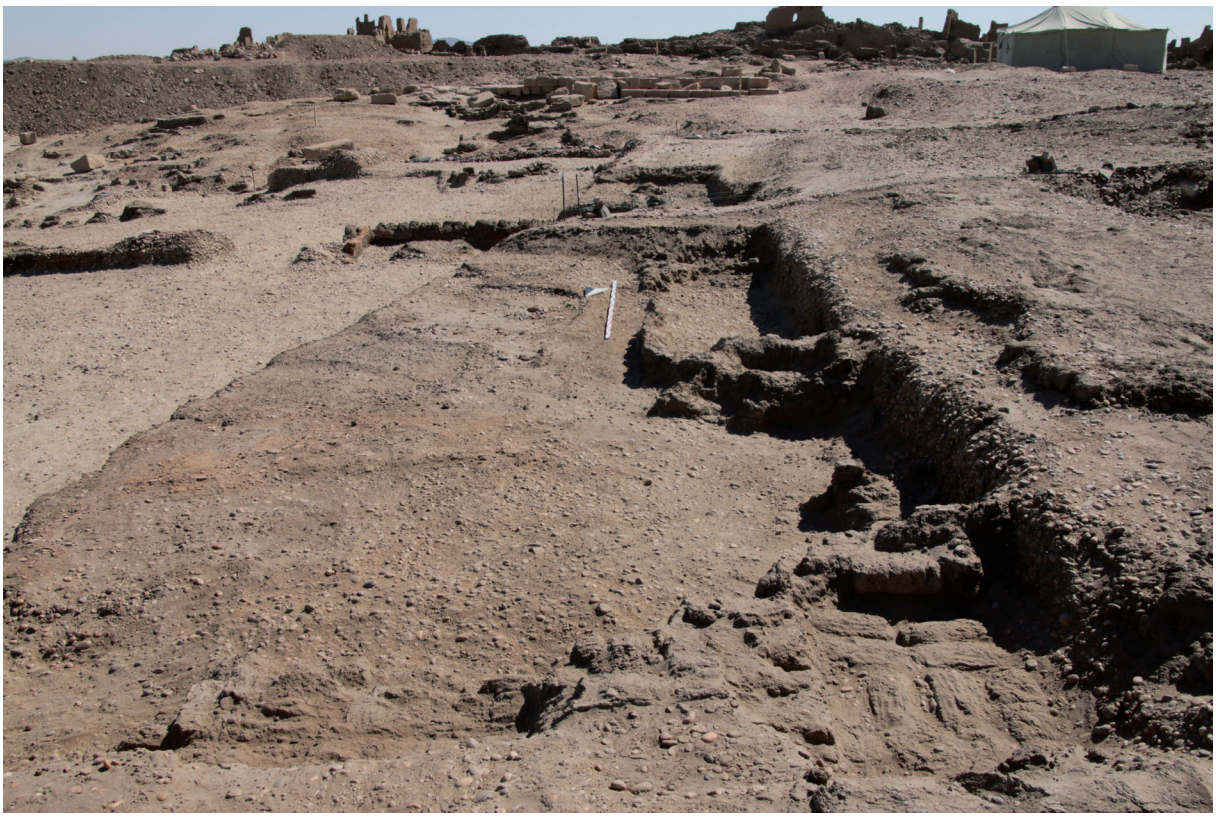
Pl. 40 Overview of SAV1 East: Square 1 and Square 2 from the north during excavation



Pl. 41 Feature 14 with in situ vessels of the early 18th Dynasty



Pl. 42 Basket set in Feature 27 (Square 2B), Post-New Kingdom



Pl. 43 SAV1 East, 2014 – overview of the site with terrace structure of Building A



Pl. 44 SAV1 East, southern part, 2015; Feature 57 in context



Pl. 45 SAV1 East, Square 4B1, view from north, column drum and schist pavement



Pl. 46 Orthophoto of final status of Feature 15



Pl. 47 SAV1 East, Square 4C status 2016, prior to excavation in 2017



Pl. 48 SAV1 West, at start of excavation in 2014



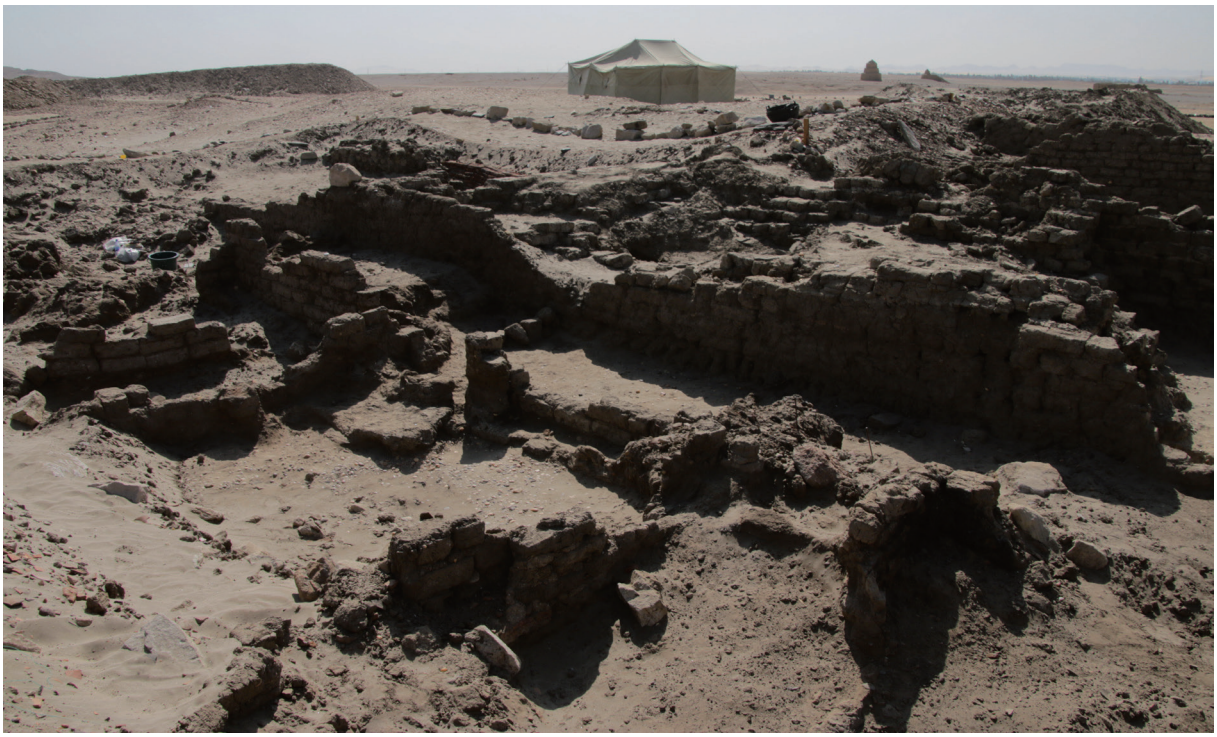
Pl. 49 SAV1 West, Square 1 – first remains of town enclosure; note sandy pits and worked stones



Pl. 50 SAV1 West, Square 1, view into the wall street, status 2014. View to the north



Pl. 51 SAV1 West, Square 2 – status 2014; remains of the enclosure wall. Eastern half of Square 2, looking south



Pl. 52 SAV1 West, season 2015. View to the southeast



Pl. 53 SAV1 West, Square 1S, wall street, status 2017



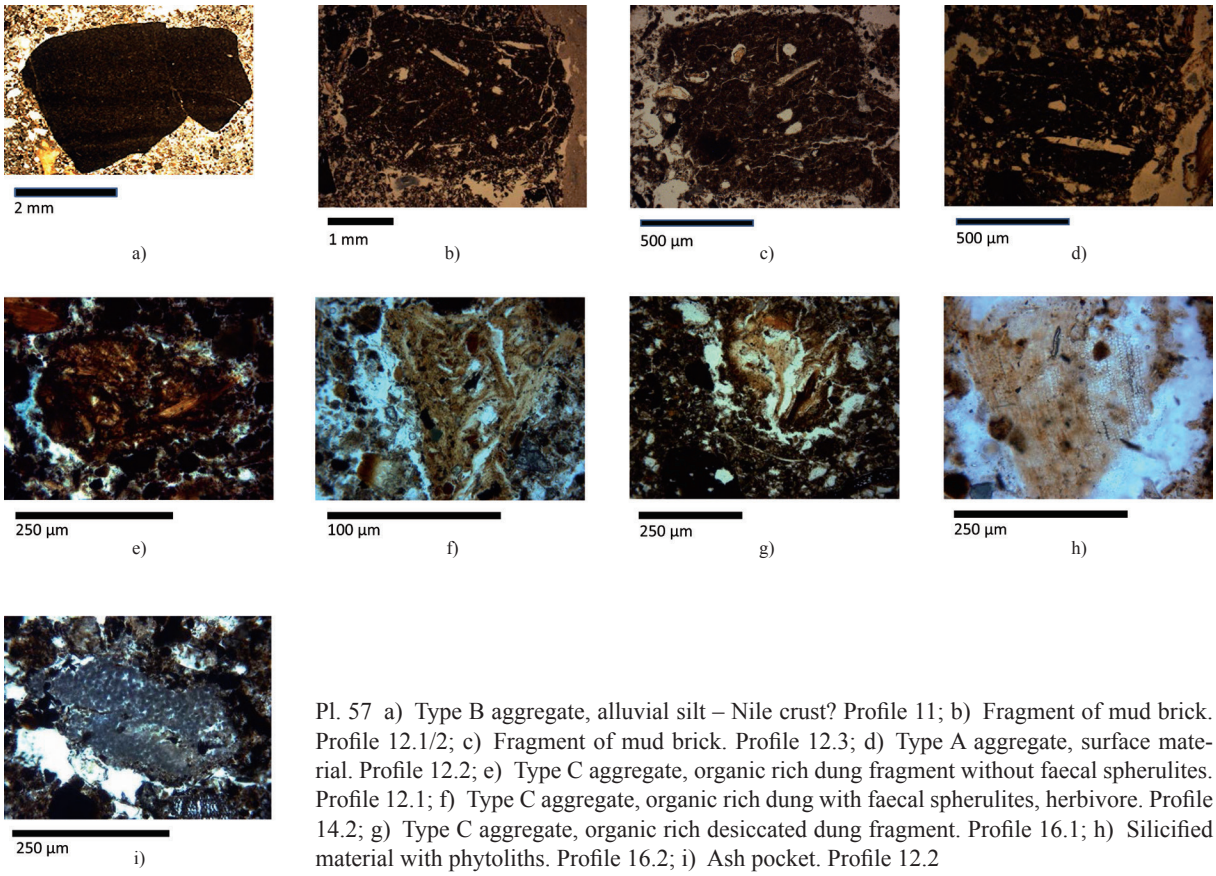
Pl. 54 SAV1 West, stone SAV1W 1752 in its find position above Feature 151



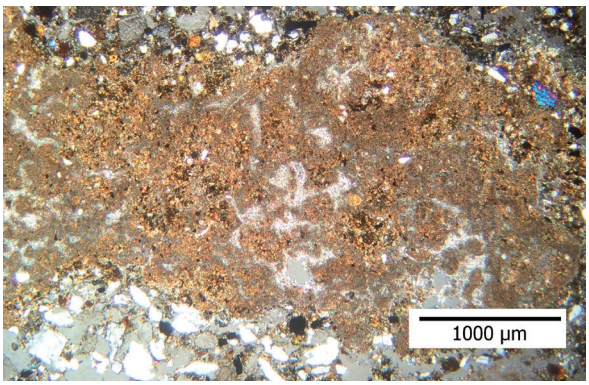
Pl. 55 Re-used Lintel SAV1W 1752



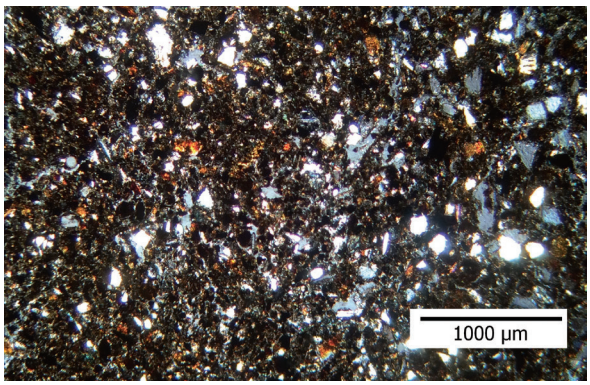
Pl. 56 SAV1 West, season 2017. End status, view to the east



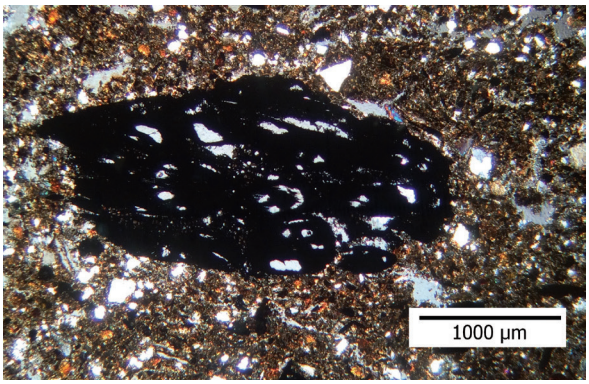
Pl. 57 a) Type B aggregate, alluvial silt – Nile crust? Profile 11; b) Fragment of mud brick. Profile 12.1/2; c) Fragment of mud brick. Profile 12.3; d) Type A aggregate, surface material. Profile 12.2; e) Type C aggregate, organic rich dung fragment without faecal spherulites. Profile 12.1; f) Type C aggregate, organic rich dung with faecal spherulites, herbivore. Profile 14.2; g) Type C aggregate, organic rich desiccated dung fragment. Profile 16.1; h) Silicified material with phytoliths. Profile 16.2; i) Ash pocket. Profile 12.2



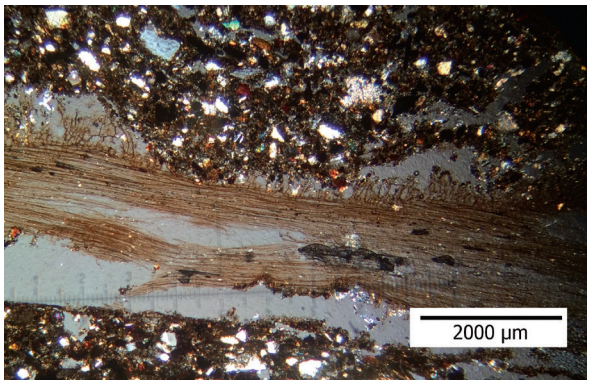
Pl. 58a Profile 18.1. Re-crystallised sparitic calcium carbonate within a carbonate nodule



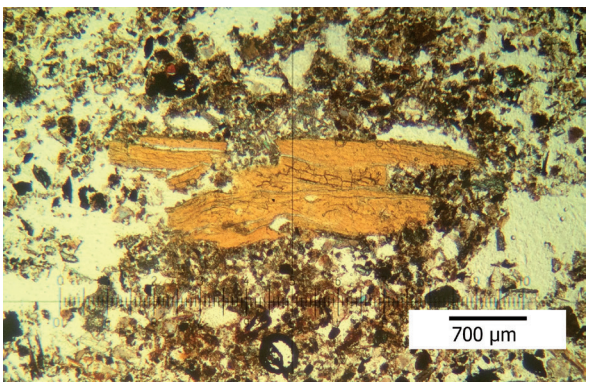
Pl. 58b Profile 18.1. Highly organic and well-sorted groundmass characteristic of alluvium



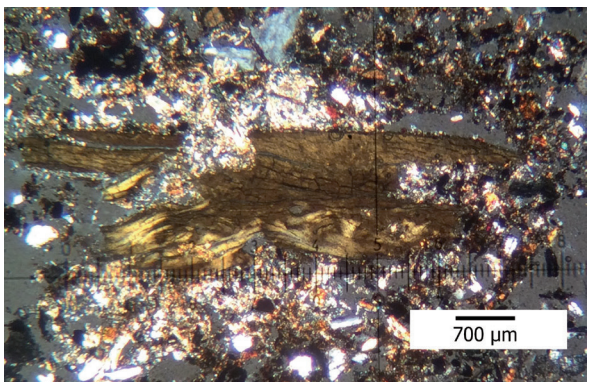
Pl. 58c Profile 18.1. Detail of either highly humified organic matter or weathered charcoal



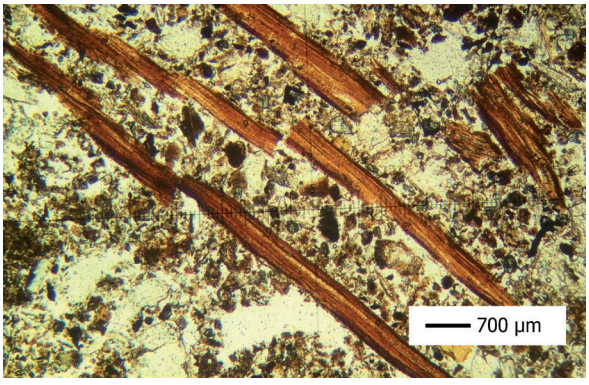
Pl. 58d Profile 18.1. Pseudomorphs with residual tissue fragment within a dense organic groundmass



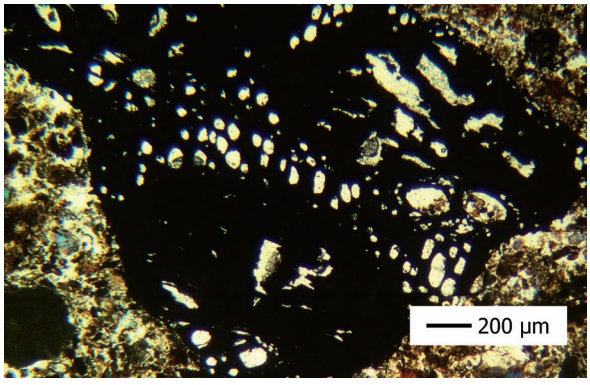
Pl. 59a Profile 19.1. Fragment of bone. Note the calcium carbonate hypo-coating due to the diagenesis and weathering of apatite



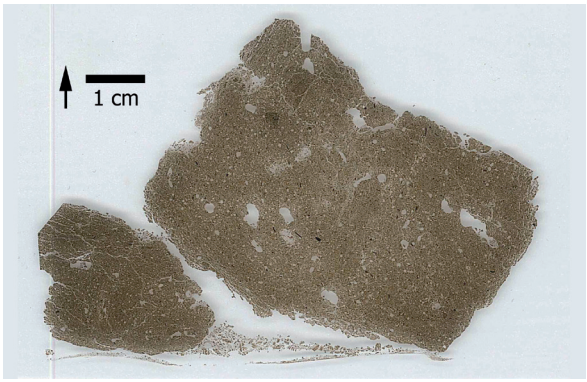
Pl. 59b Profile 19.1. Same as Pl. 59a but in XPL



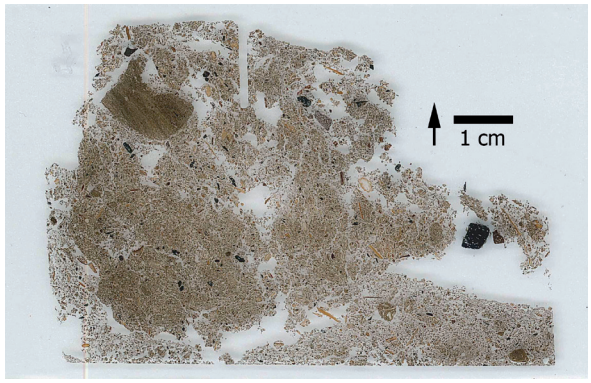
Pl. 59c Profile 19.1. Organic tissue well preserved showing a parallel referred distribution pattern



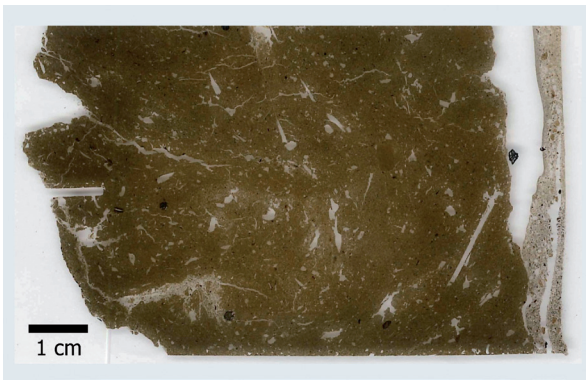
Pl. 59d Profile 19.1. Charcoal



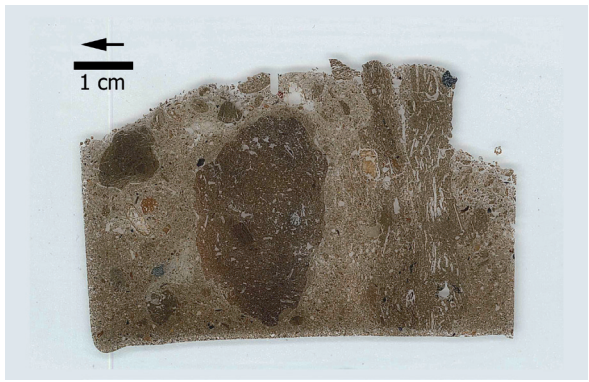
Pl. 60 Profile 19.2. Macrophoto of thin section



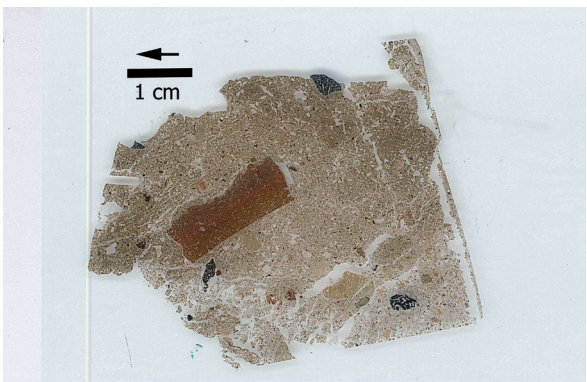
Pl. 61 Profile 13. Macrophoto of thin section



Pl. 62 Profile 21. Macrophoto of thin section



Pl. 63 Profile 22. Macrophoto of thin section



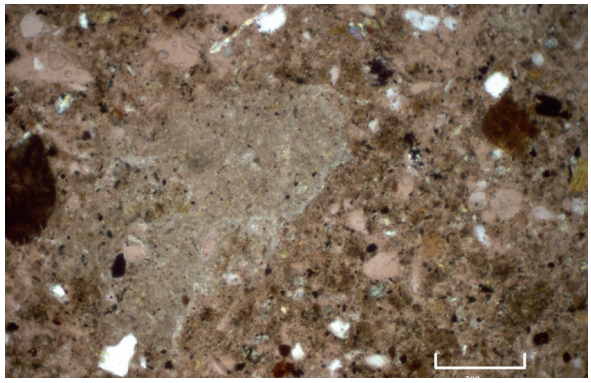
Pl. 64 Profile 23. Macrophoto of thin section



Pl. 65 Profile 24. Macrophoto of thin section



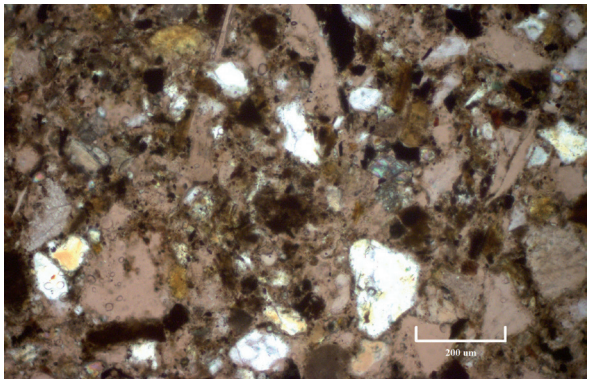
Pl. 66a Thin section 63 from SAV1 West. Macrophoto



Pl. 66b Thin section 63 from SAV1 West. Detail



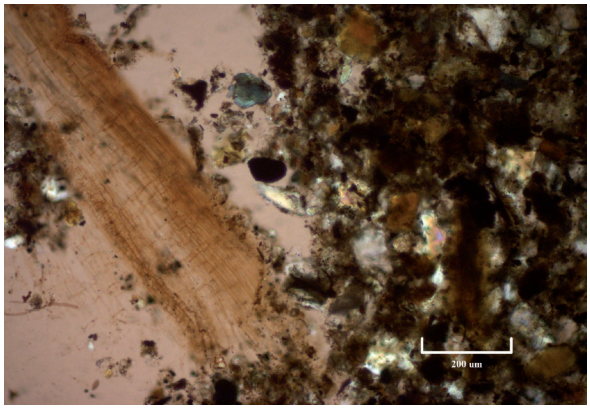
Pl. 67a Thin section 56 from SAV1 East. Macrophoto



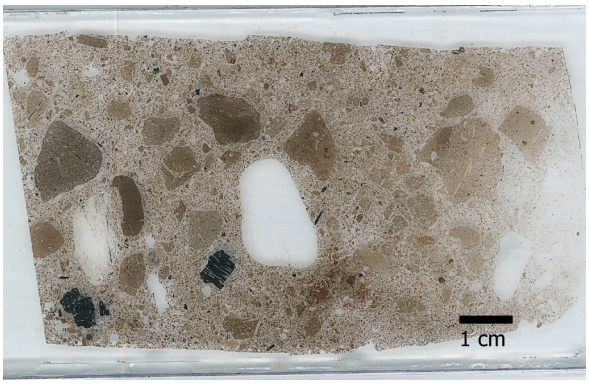
Pl. 67b Thin section 56 from SAV1 East. Detail



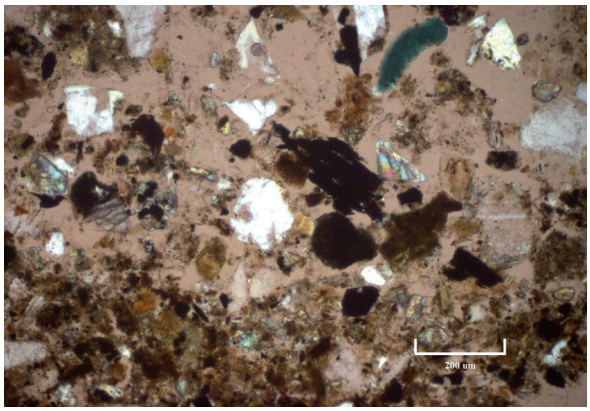
Pl. 68a Thin section 57 from SAV1 East. Macrophoto



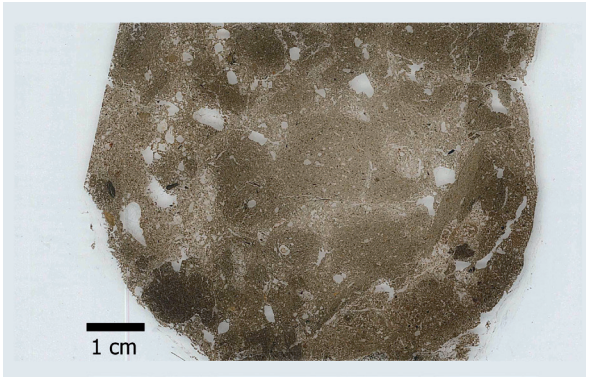
Pl. 68b Thin section 57 from SAV1 East. Detail



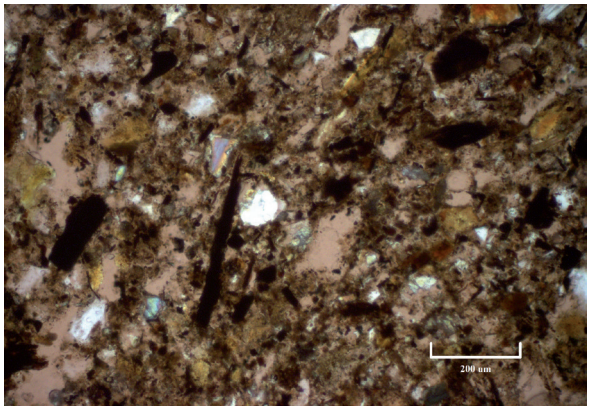
Pl. 69a Thin section 58 from SAV1 East. Macrophoto



Pl. 69b Thin section 58 from SAV1 East. Detail



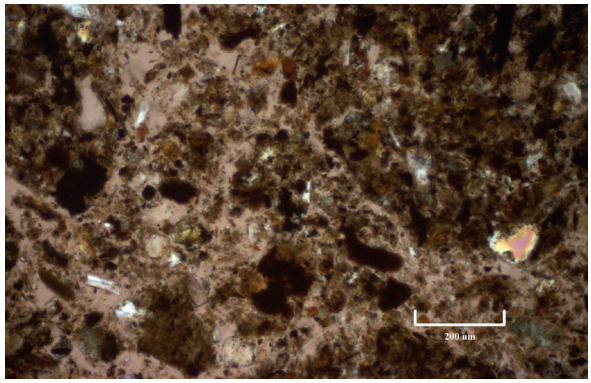
Pl. 70a Thin section 70 from SAV1 East. Macrophoto



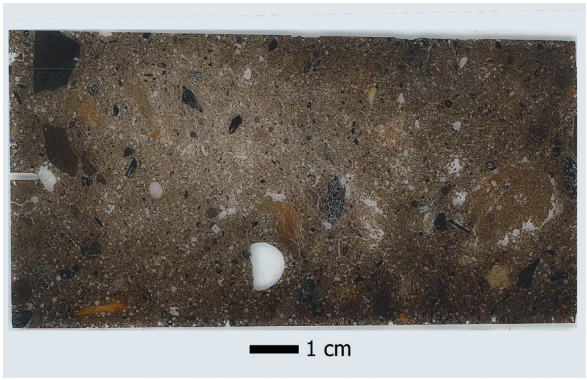
Pl. 70b Thin section 70 from SAV1 East. Detail



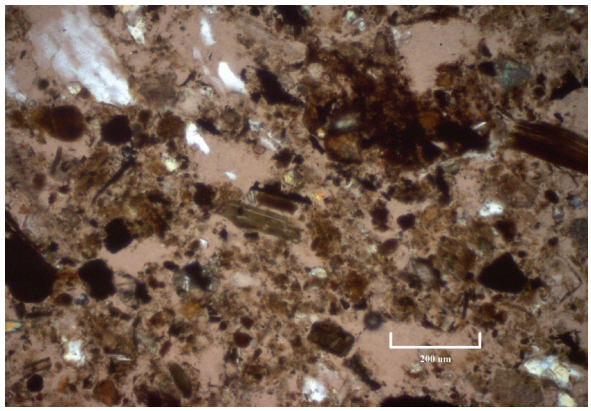
Pl. 71a Thin section 59 from sample of baking area Feature 64, SAV1 East. Macrophoto



Pl. 71b Thin section 59 from sample of baking area Feature 64, SAV1 East. Detail



Pl. 72a Thin section 60 from sample of baking area Feature 64, SAV1 East. Macrophoto



Pl. 72b Thin section 60 from sample of baking area Feature 64, SAV1 East. Detail



Pl. 73 SAV1E 2771, cubic dice



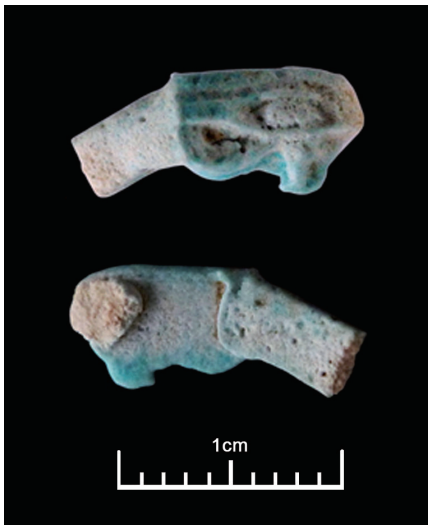
Pl. 74 SAV1E 1468, medieval window grille



Pl. 75 Medieval horse figurines (SAV1E 0733 left; SAV1E 2675 right)



Pl. 76 SAV1W 0800, medieval camel figurine



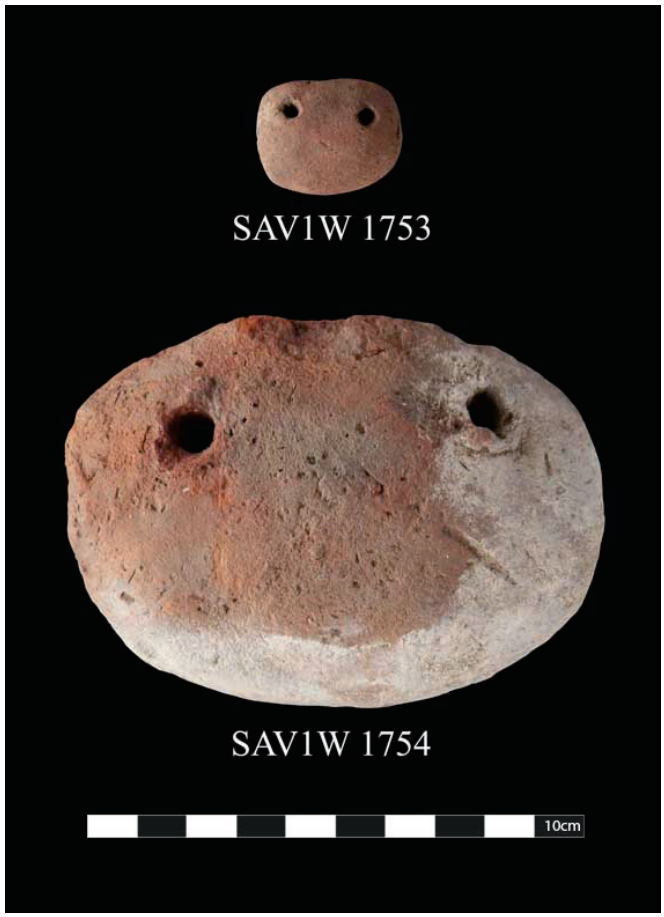
Pl. 77 SAV1E 2882, faience ring



Pl. 78 SAV1E 2729, faience earring



Pl. 79 SAV1E 0119, clay weight



Pl. 80 Miniature net weight (SAV1W 1753) and normal size net weight (SAV1W 1754)



Pl. 81 SAV1W 1541, possible net weight in stone



Pl. 82 Re-cut sherds used as net weights; SAV1W 0411 left and SAV1W 0496 right



Pl. 83 SAV1E 1285, loom weight



Pl. 84 Miniature balls (SAV1W 1703 limestone; SAV1E 2511, 2602 und SAV1W 1489 clay)



Pl. 85 Example for painted Post-New Kingdom fine ware (SAV1E P001)



Pl. 86 Sherd of Marl clay blue-painted ware from SAV1 West



Pl. 87 Fragment of fire dog, SAV1E P34



Pl. 88 SAV1E 0939, rudimentary female figurine



Pl. 89 SAV1E 2801, rudimentary female figurine



Pl. 90 SAV1E 1065, rudimentary female figurine



Pl. 91 SAV1E 2779, male clay figurine, fragment



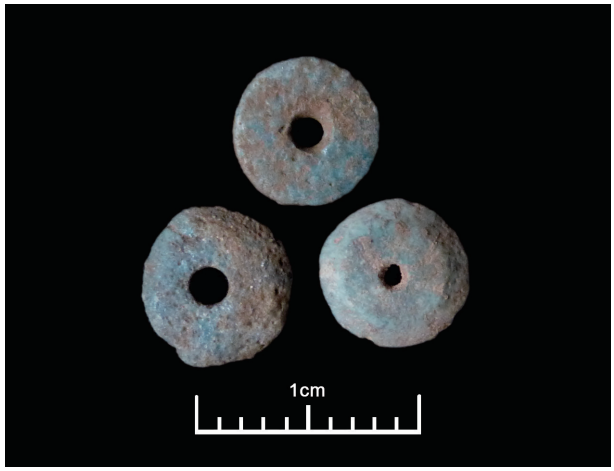
Pl. 92 SAV1E 0851, clay figurine of hippopotamus



Pl. 93 SAV1E 1938, stela fragment



Pl. 94 SAV1E 2846, re-used faience sherd



Pl. 95 SAV1W 1440, disc shaped beads



Pl. 96 SAV1W 1647, rudimentary female figurine



Pl. 97 SAV1W 1735, head of a ‘Nubian’ doll figurine



Pl. 98 SAV1W 1574, clay model boat



Pl. 99 SAV1W 1451, seal impression



Pl. 100 SAV1W 0031, fragment of stamp/plaquette



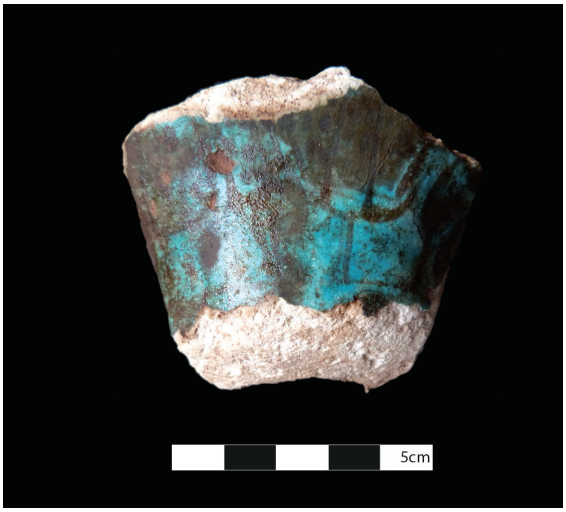
Pl. 101 SAV1W 0590, stela



Pl. 102 Interior of stone basin SAV1W 1694



Pl. 103 SAV1W 1693, pestle with traces of pigment



Pl. 104 SAV1W 0544, fragment of a faience chalice



Pl. 105 SAV1W 1749, faience vessel



Pl. 106 SAV1W 0494, re-used sherd



Pl. 107 SAV1E 2875, flint



Pl. 108 SAV1E 2876, flint



Pl. 109 SAV1E 0357, imported flint



Pl. 110 Pounders consisting of natural boulders in different shapes and materials



Pl. 111 SAV1W 0254, pounder with clear traces of red pigment



Pl. 112 SAV1W 0607, intentionally shaped hammer



Pl. 113 Whetstones with and without grooves (sandstone)



Pl. 114 SAV1W 0256, pivot stone, secondarily used as whet-/abrasive stone according to the abraded break (left)



Pl. 115 SAV1W 0467, whetstone



Pl. 116 Grindstones; note the different colours and the differing graininess



Pl. 117 SAV1W 0606, mortar-like grindstone with traces of red pigment on the inside



Pl. 118 SAV1W 0667, grindstone



Pl. 119 SAV1W 0289, grindstone, reshaped as a weight/anchor after breaking (unfinished)



Pl. 120 SAV1W 0104, grindstone



Pl. 121 Hand mills made from quartzite and sandstone



Pl. 122 SAV1W 1581, tethering stone



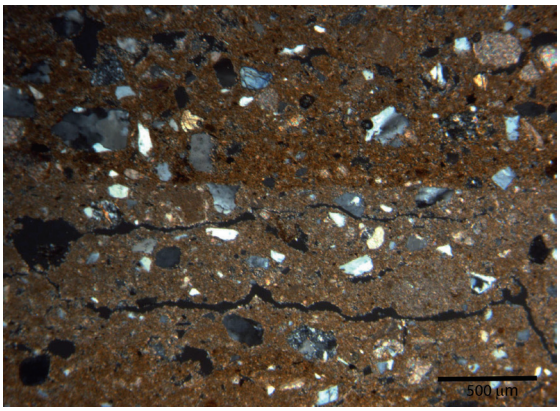
Pl. 123 SAV1E 1840, polishing tool for bone pins?



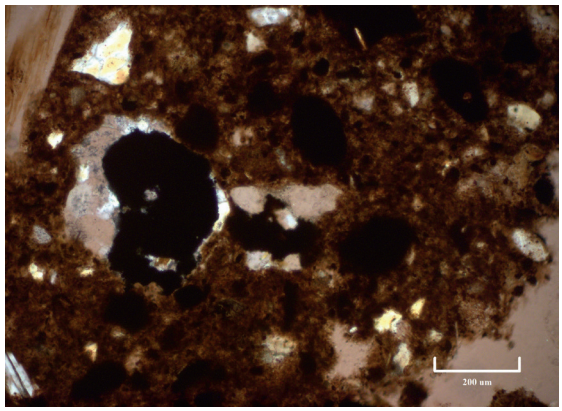
Pl. 124 SAV1E 1644, mortar with traces of quartz powder? stuck to the inside



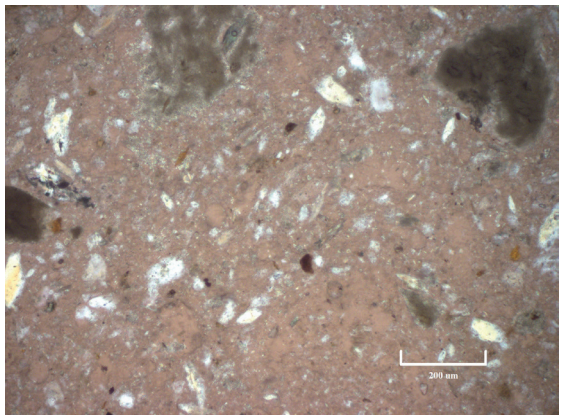
Pl. 125 SAV1E 1499, schist pestle



Pl. 126 Thin section of floor plaster sample from SAV1 East (SU 349 in Square 4C)



Pl. 127 Detail of thin section of mortar sample SM 05, thin section 64 from the town enclosure



Pl. 128 Detail of thin section of mortar sample (thin section 74 from Tomb 26)



Pl. 129 Example of a mud brick wall (Feature 100, Enclosure wall at SAV1 West), containing MB1 prior to extraction



Pl. 130 MB1 shown following extraction from wall (Feature 100, Enclosure wall at SAV1 West)



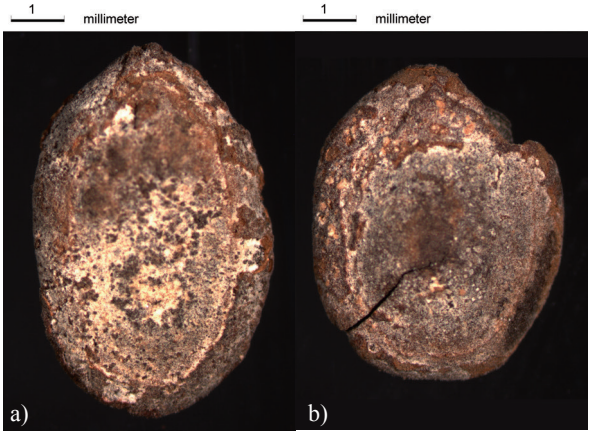
Pl. 131 Thick ‘sheets’ of mud plaster on an interior wall in the Ottoman fortress



Pl. 132 Three finger impressions in a mud brick (MB19, SAV1 North)



Pl. 133 Profile of temenos wall south of Temple A (SAVI Sur. Temple A) showing a concentration of possible gum arabic



Pl. 134.1a–b Mineralised *Acacia nilotica* seeds; from sample O5



Pl. 134.2 Charred barley floret (*Hordeum vulgare*); from sample CH7



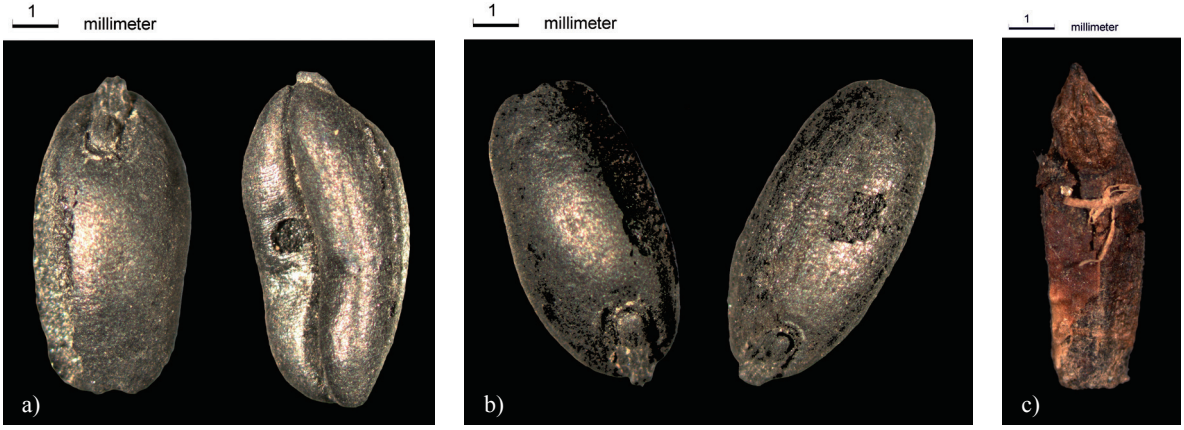
Pl. 134.3a–b 6-row barley rachis (*Hordeum vulgare* ssp. *vulgare*) front (a) and back (b) view; from sample MB2



Pl. 134.4 Charred barley rachis (*Hordeum vulgare*); from sample CH7



Pl. 134.5a–b Desiccated barley rachis (*Hordeum vulgare*) infected with covered smut of barley, front (a) and back (b) view; from sample MB2



Pl. 134.6a–c Charred emmer wheat grain kernels (*Triticum turgidum* ssp. *dicoccon*), with the dorsal and lateral view of two specimens (a) and the dorsal view of the same specimens (b) from sample CH7 and the dorsal view of a desiccated emmer wheat grain kernel (c) from MB15



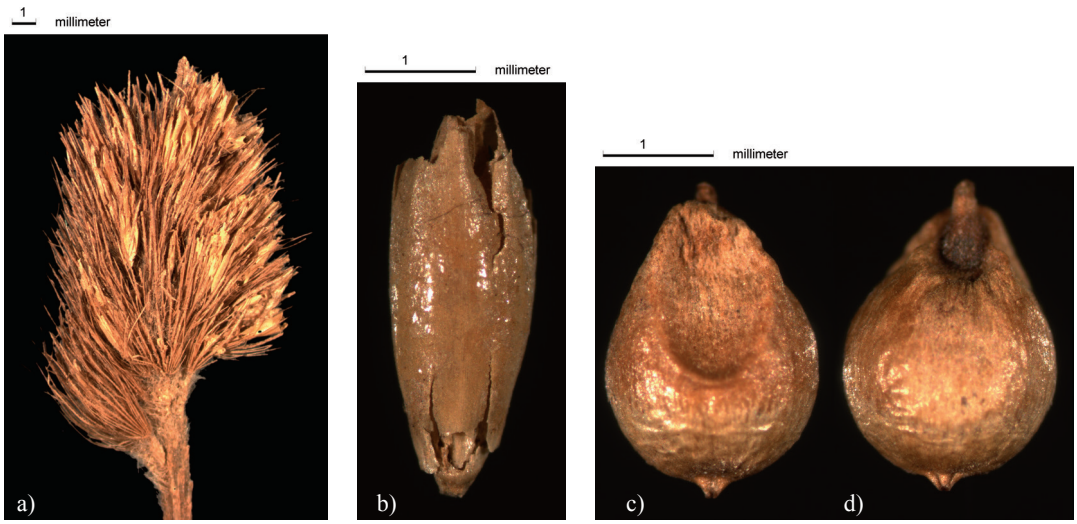
Pl. 134.7 Charred emmer wheat rachis (*Triticum turgidum* ssp. *dicoccon*) – both the internode and the glume bases are present, forming the spikelet forks; from sample CH7



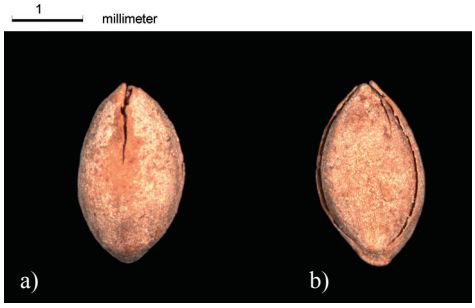
Pl. 134.8 Desiccated bread wheat rachis (*Triticum aestivum* ssp. *aestivum*); from sample MB22



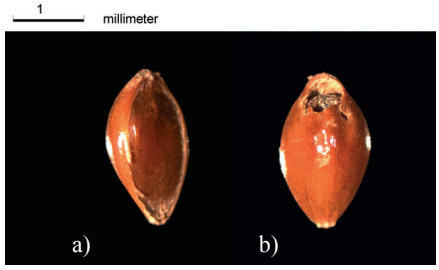
Pl. 134.9 Desiccated wild sorghum (*Sorghum halepense*) chaff. Sample from MB3



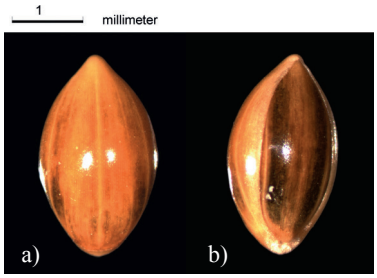
Pl. 134.10a–d Desiccated *Pennisetum* sp. infructescence (a), palea/lemma (b), dorsal view of seed (c), and ventral view of seed (d); from sample S29



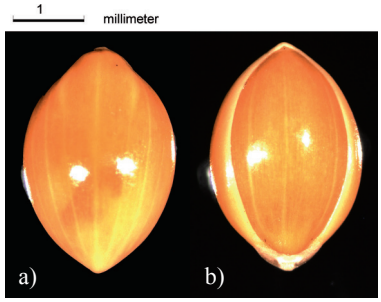
Pl. 134.11a–b Dorsal view (a) and ventral view (b) of desiccated *Panicum* sp. fruit; from sample MB12



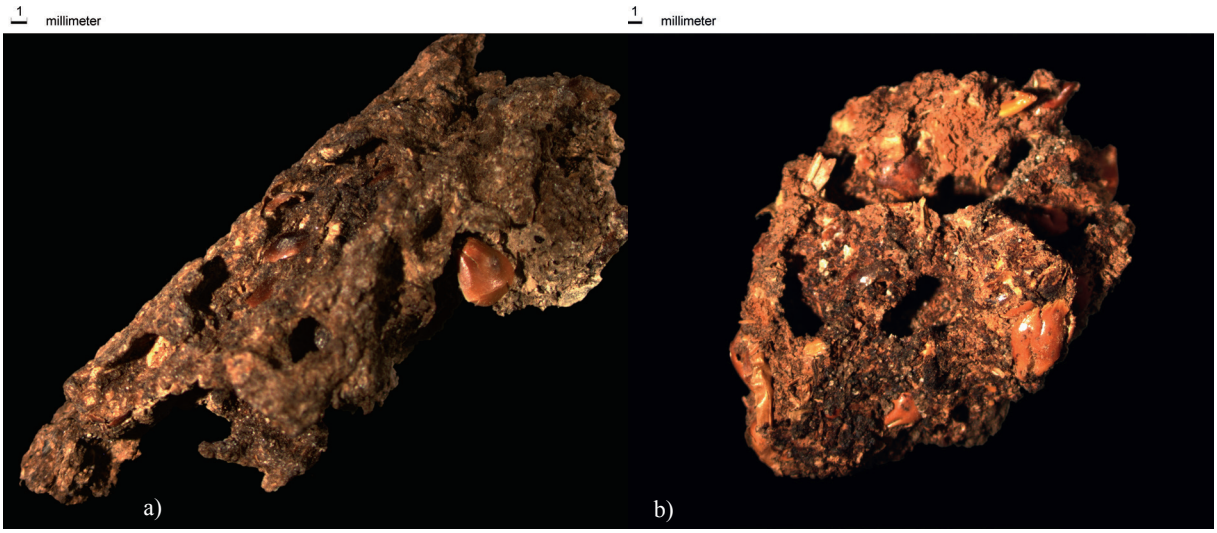
Pl. 134.12a–b Dorsal view (a) and ventral view (b) of desiccated *Panicum* sp. fruit; from sample MB8



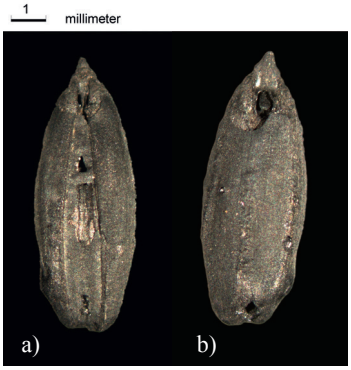
Pl. 134.13a–b Dorsal view (a) and ventral view (b) of modern *Panicum turgidum* fruit



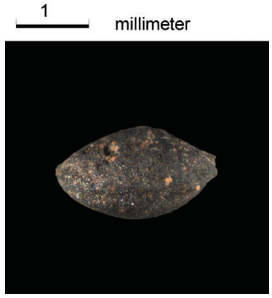
Pl. 134.14a–b Dorsal view (a) and ventral view (b) of modern *Panicum miliaceum* fruit



Pl. 134.15a–b Desiccated *Panicum* sp. chaff in dung; from sample S14 (a) and sample S19 (b)



Pl. 134.16a–b Ventral (a) and dorsal (b) view of charred wild barley fruit (*Hordeum vulgare* ssp. *spontaneum*); from sample CH7



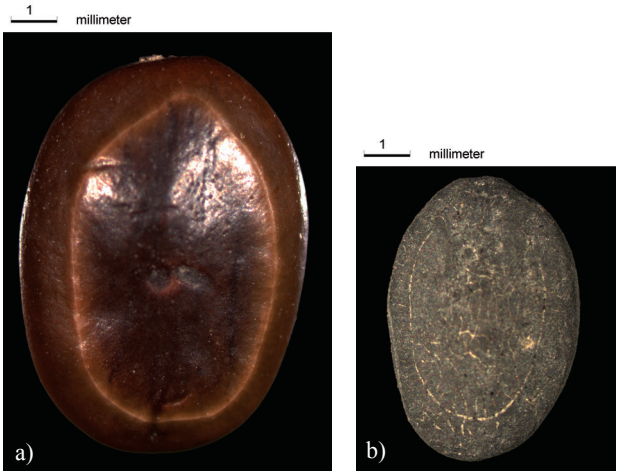
Pl. 134.17 Charred canary grass (*Phalaris* sp.) fruit; from sample MO5



Pl. 134.18 Charred darnel fruit (*Lolium temulentum*); from sample CH7



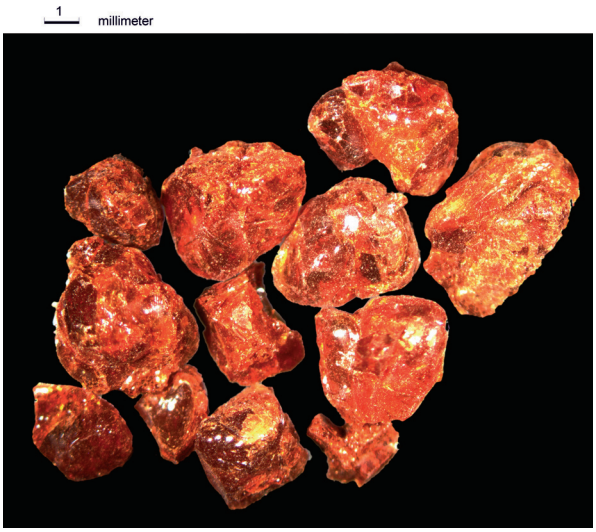
Pl. 134.19 Charred grass pea (*Lathyrus sativus*) seed; from sample CH7



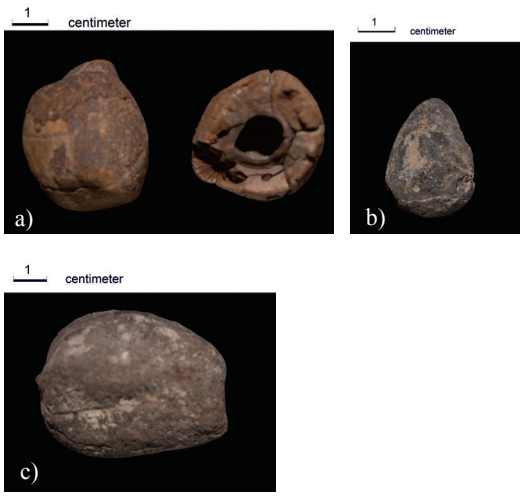
Pl. 134.20a–b Desiccated (a, from sample MB5) and charred (b, from sample CH7) seeds of Nile acacia (*Acacia nilotica*)



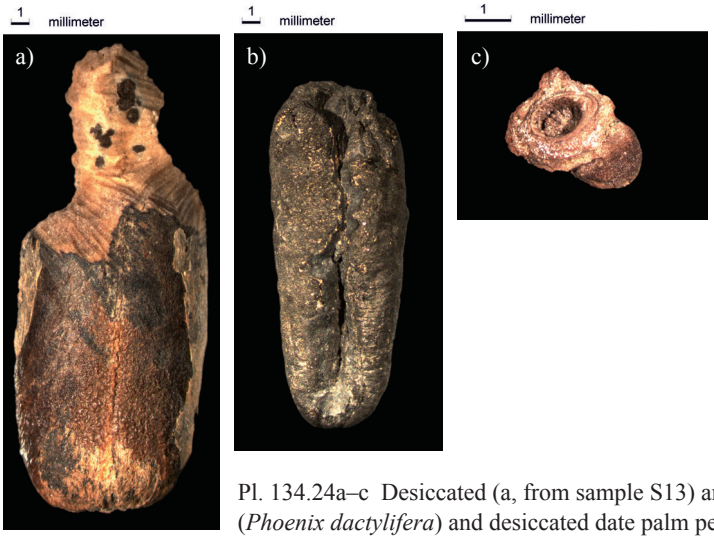
Pl. 134.21 Desiccated (fragment) of Nile acacia fruit (*Acacia nilotica*); from sample O5



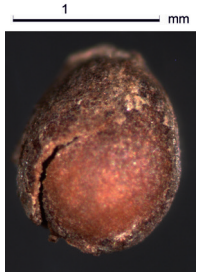
Pl. 134.22 Potential gum arabic; from sample O1A



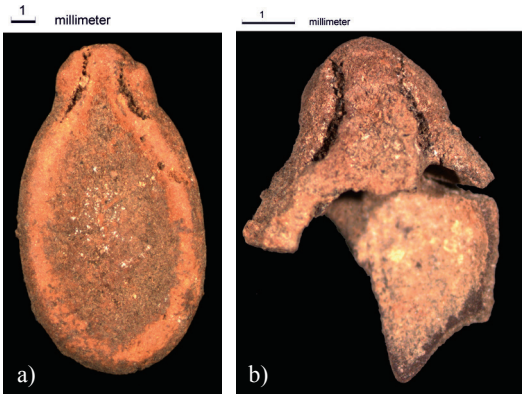
Pl. 134.23a–c Desiccated doum palm (*Hyphaene thebaica*), endocarps (a, from sample S2), a charred doum palm, seed (b, from sample S8), and a charred doum palm, fruit (c, from sample S8)



Pl. 134.24a–c Desiccated (a, from sample S13) and charred (b, from sample S7) date palm seeds (*Phoenix dactylifera*) and desiccated date palm pedicel (c, from sample MB11)



Pl. 134.25 Potential fruit of sycamore fig (*Ficus* cf. *sycamorus*); from sample MO4



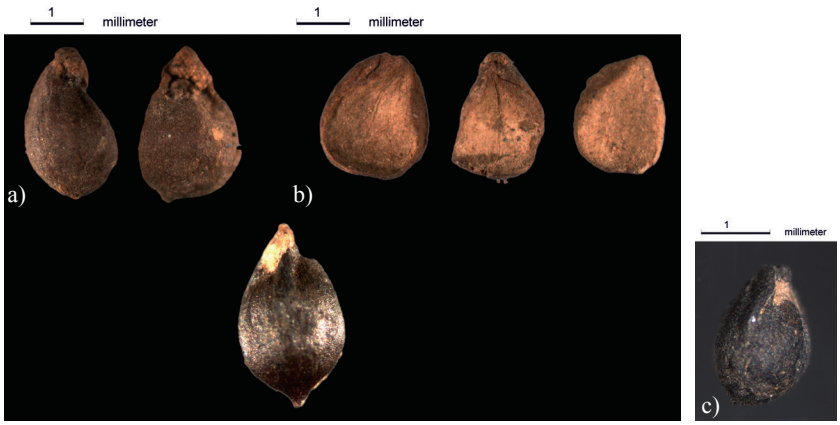
Pl. 134.26a–b Desiccated whole (a, from sample S28) and fragmented (b, from sample MB12) seed of watermelon (*Citrullus lanatus*)



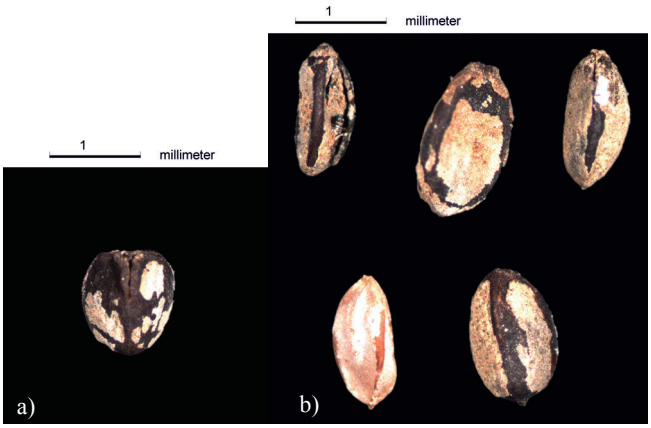
Pl. 134.27 Desiccated *Cucumis* sp. seeds; from sample CH3



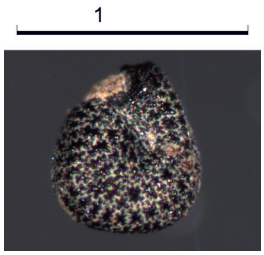
Pl. 134.28 Desiccated grape seed (*Vitis vinifera*); from sample OL1



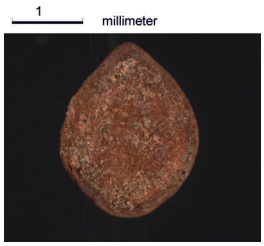
Pl. 13429a–c *Ambrosia maritima* desiccated whole fruits (top) (a, from sample MO5), (b, from sample MO5) with modern fruit (bottom) for comparison, and a charred fruit (c, from sample MO5)



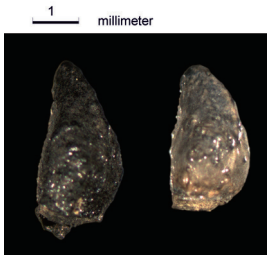
Pl. 134.30a–b Cyperaceae seeds, type 1 (a) and type 2 (b); from sample MB3



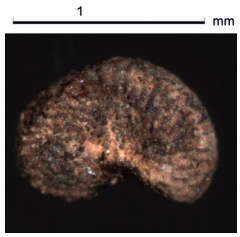
Pl. 134.31 *Portulaca* cf. *nitida* seed; from sample MB3



Pl. 134.32 Desiccated seed of Roman nettle (*Urtica* cf. *pilulifera*); from sample MB27



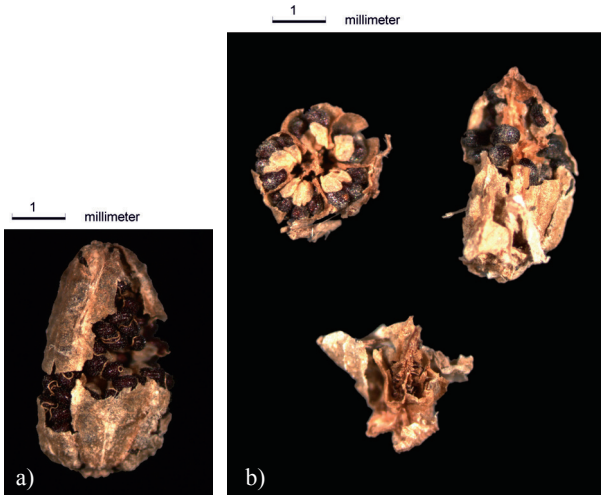
Pl. 134.33 Charred and mineralised seeds of *Centaurea* sp.; from sample CH7



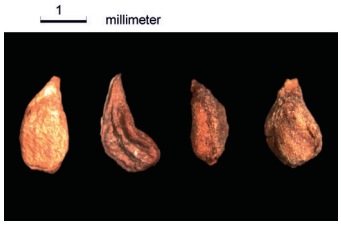
Pl. 134.34 Charred seed of *Silene* sp.; from sample MO4



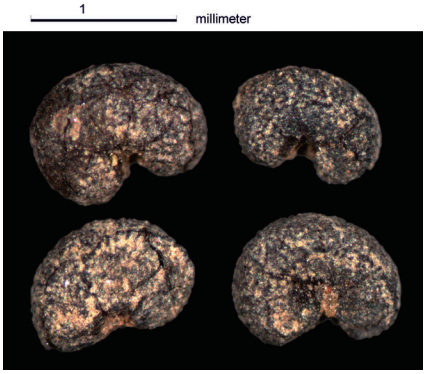
Pl. 134.35 Mineralised seed of *Echium* sp.; from sample MB12



Pl. 134.36a–b Desiccated complete (a, from sample MB2) and fragmented (b, from sample MB3) fruit(s) of Aizoaceae, cf. *Aizoon* sp.



Pl. 134.37 Desiccated Borage family (*Boraginaceae*) seeds; from sample MB17



Pl. 134.38 Charred Poppy family (*Papaveraceae*) seeds; from sample MB3



Pl. 135 Mixed shell sample from SAV1E 1676/2015



Pl. 136 *Theodoxus niloticus* (front view) from SAV1W 603/2014



Pl. 137 *Melanoides tuberculata* (front view) from SAV1E 2055/2014



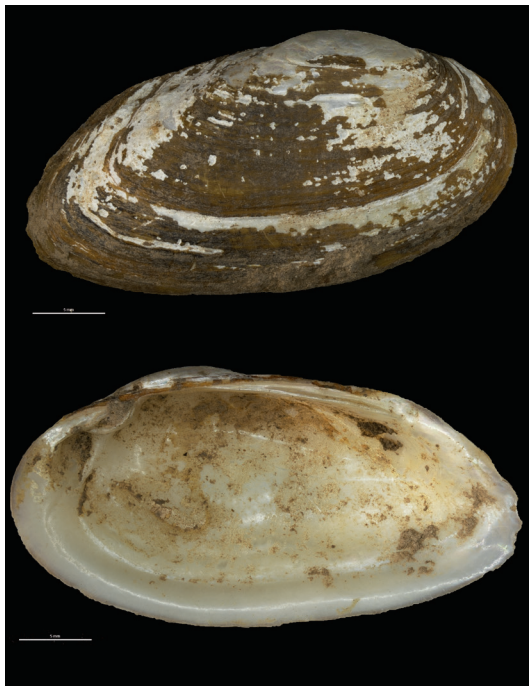
Pl. 138 *Cleopatra bulimoides* (front view) from SAV1E 1676/2015



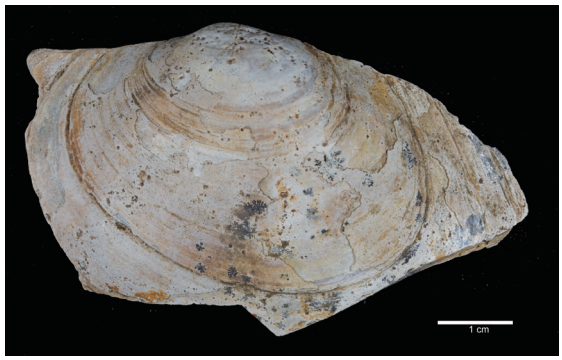
Pl. 139 *Melanopsis praemorsa* (front and back view) from SAV1W 082/2017



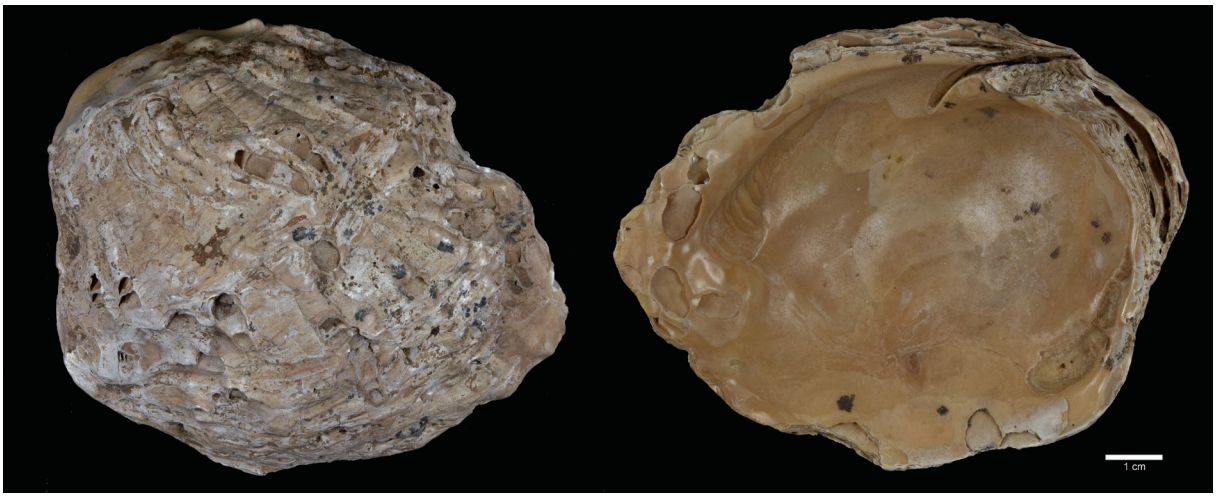
Pl. 140 *Cypraea* sp. (front view) SAV1E 323/2014



Pl. 141 *Nitia teretiuscula* (right valve external and internal) from SAV1W 725/2014



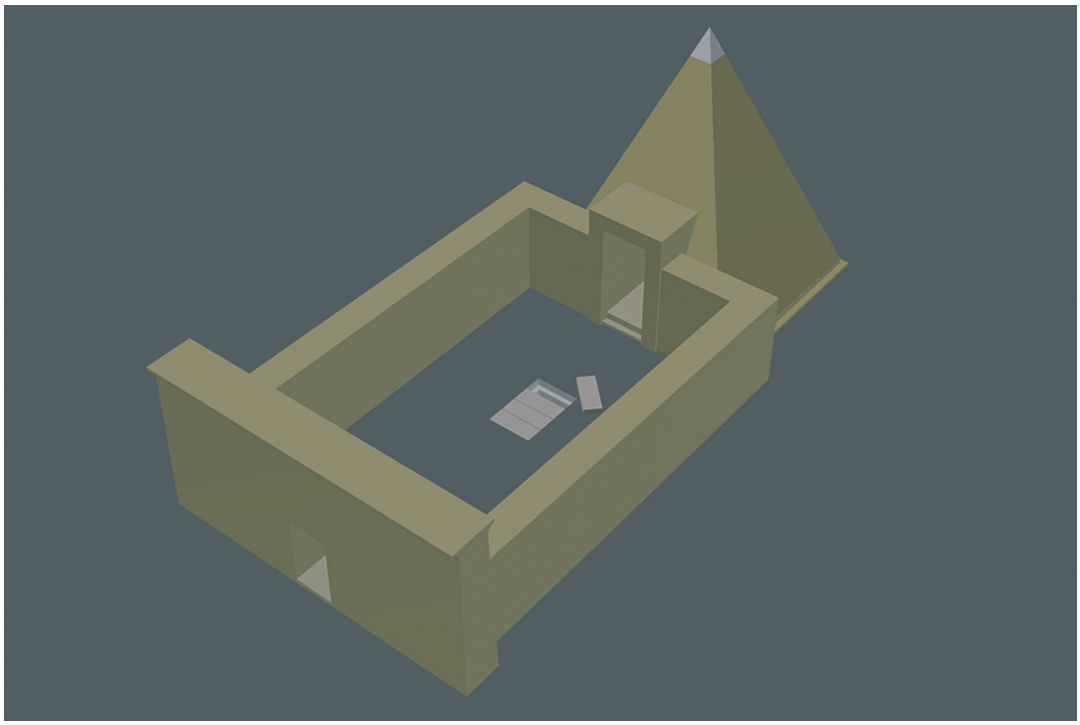
Pl. 142 *Chambardia rubens* (left valve external) SAV1E 1626/2015



Pl. 143 *Etheria elliptica* (right valve external and internal) from SAV1W 325/2017



Pl. 144 *Corbicola consobrina* (left valve external and internal) from SAV1W 011/2015



Pl. 145 Reconstruction of typical Egyptian-type pyramid tomb at SAC5 on Sai