

Kathu Pan 6: Observations on the First Known Buried High-Density Open-air Holocene Occupation on the Southern Margin of the Kalahari Basin

Wendy Black

Archaeology Unit, Research & Exhibitions Department, Iziko Museums of South Africa,
Cape Town, 8001, South Africa

Human Evolution Research Institute (HERI), University of Cape Town, Rondebosch,
7701, South Africa

wblack@iziko.org.za

Precious Chiwara-Maenzanise

Department of Archaeology, University of Cape Town, Rondebosch, 7701, South Africa
chiwaraprecious@gmail.com

Liora Kolska Horwitz

National Natural History Collections, Hebrew University, Jerusalem 96265, Israel
lix1000@gmail.com

Steven James Walker

Redhorse Corporation, San Diego, CA 92101, USA
steven.walker@redhorsecorp.com

Michael Chazan | ORCID: 0000-0003-1236-5368

Corresponding author,

Department of Anthropology, University of Toronto, Toronto, M5S 2S2, Canada

Archaeology Centre, University of Toronto, Toronto, M5S 2S2, Canada

Evolutionary Studies Institute, University of the Witwatersrand, Johannesburg, South
Africa

mchazan@chass.utoronto.ca

Supplementary material

TABLE S1 Metric data for segments. Top: Comparison of KP6 with other Ghaap plateau and escarpment sites (data from 21)

	N	Length min.	Length max.	Length Mean	Length SD	Width min.	Width max.	Width Mean	Width SD
KP6	6	11.26	21.1	16.195	4.041	3.92	8.34	6.035	1.7
WW3a	10	10	35	22.8	7.4	5	11	7.9	2.5
WW3b	3	14	27	20.4	4.2	4	10	7	2.5
WW4a	15	12	32	20.2	6.1	3	14	6.9	2.8
WW4aLH	4	16	25	20.5	4.6	4	10	7	2.6
WW4b	25	9	26	17.8	4.4	4	10	7.3	1.8
WW4c	9	12	27	20.8	5.9	4	10	7.3	2.1
LW 50-55	5	12	20	15.8	3.3	6	10	7.2	1.79
LW 55-60	4	11	19	13.75	3.6	6	6	5.25	0.5

Sample #	Square	Length (mm)	Width (mm)	Thickness (mm)
2557	Q9 D3	11.57	4.87	2.53
2954	P9 C3	17.27	8.34	2.78
3109	Q9 D1	21.1	6.56	3.81
3110	Q9 D1	19.45	7.47	4.38
3112	Q9 D1	16.52	5.05	1.97
2857	Q9 D4	11.26	3.92	2.51

TABLE S2 Bead measurements (in mm) for KP6 and sites from Wilmsen (2015: table 1)

Site	Bead diameter	Bead perforation diameter
KP6-LSA	3.9	1.25
Richterveld-herder	7.6	2.6
Kasteelberg-herder	6.7	2.55
Witklip-herder	6.6	2.7
Geduld-herder	5.9	2.1
Kasteelberg-hunter	6.3	2.04
Rooiwal midden-LSA	5.7	2.08
Witklip-KB-hunter	5.7	1.85
Jakkalsberg-LSA	4.32	1.52
Geelbek dunes-pre-herder	3.1	1.52
Namaqualand coast-recent	5.3	2.29
CaeCae necklace-modern	5.68	1.44
CaeCae never worn	5.41	1.43
Nqoma beads 19th century	6.49	2.45
Nqoma beads 19th century	5.89	2.4
Nqoma beads MIA	6.27	2.31
Nqoma beads EIA	5.93	2.23

TABLE S3 Bead diameter measurements (in mm) for KP6 and Late Stone Age sites from Wilmsen (2015: table 1) and Miller & Sawchuk (2019: table S1)

Site	Max	Min	Mean
CaeCae necklace-modern	7.67	4.36	5.68
CaeCae clothing-modern	8.61	4.21	6.23
CaeCae never worn-modern	5.74	5.11	5.41
Nqoma beads 19th century	7.00	4.13	5.89
Nqoma beads 19th century	10.29	4.25	6.49
Nqoma beads MIA	10.03	4.39	6.27
Nqoma beads EIA	8.67	3.54	5.93
Namaqualand coast-recent	7.05	3.60	5.30
Central Namibia-herder	13.5	4.0	7.0
Geduld-herder	9.0	4.0	5.9
Geduld-herder	8.0	4.0	5.9
Richtersveld-herder	11.8	3.4	7.6
Witklip-KB-herder	11.0	4.0	6.6
Kasteelberg-herder	6.8	6.5	6.7
Kasteelberg-hunter	6.80	6.10	6.30
Rooiwal Midden-LSA	7.95	4.35	5.70
Witklip-KB-hunter	11.2	3.30	5.70
Geelbek Dunes-pre-herder	4.90	2.30	3.10
Jakkalsberg-LSA	6.55	2.60	4.32
Central Namibia-pre-herder	7.50	3.00	4.90
Nelson Bay Cave (507 BP)	5.85	3.16	4.28
Nelson Bay Cave (611 BP)	5.60	3.55	4.42
Nelson Bay Cave (1,500 BP)	7.81	3.19	4.96
Nelson Bay Cave (2,800 BP)	5.58	3.48	4.46
Nelson Bay Cave (3,067 BP)	5.46	3.53	4.52
Nelson Bay Cave (6,650–6,700 BP)	5.12	4.38	4.78
Wonderwerk Cave Str 2B-LSA (1,110 BP)	5.97	2.92	4.60
Wonderwerk Cave Str 3A-LSA (1,919 BP)	5.48	2.78	4.17
Wonderwerk Cave Str 3B-LSA (2,500 BP)	6.12	3.26	4.45
Wonderwerk Cave Str 3B-LSA (3,371 BP)	5.12	2.86	3.94
Wonderwerk Cave Str 4A-LSA (4,710 BP)	5.65	2.95	4.13
Wonderwerk Cave Str 4ALH-LSA (5,000–5,524 BP)	5.88	3.02	4.29
Wonderwerk Cave Str 4B-LSA (5,951 BP)	5.56	3.08	4.33
Wonderwerk Cave Str 4C-LSA (7,483 BP)	5.91	3.50	4.78
KP6-LSA	5.76	3.18	4.09