

*Peopling the Landscape of Çatalhöyük: Reports from the
2009–2017 Seasons*

Edited by
Ian Hodder

Supplementary material to
Chapter 13. The avian remains

Julia Best, Beatrice Demarchi and Samantha Presslee

Sample name	Unit	Hodder Level	Broad Type of Deposit	ID (proteins)	ID (morphology)	ID (combined)	Development/Taphonomy	Thickness (mm)
CH15_1	18174	South.P	Midden	Anseriformes	Goose	Anseriformes - goose	Moderate, uniform corrosion	0.55
CH15_2	18174	South.P	Midden	Anseriformes-like	Unknown, size indicates swan	cf. swan	Moderate, uniform corrosion	0.74
CH15_3	18174	South.P	Midden	Anseriformes	cf. goose	Anseriformes - cf. goose	Moderate, uniform corrosion	0.63
CH15_4	18174	South.P	Midden	Small	Unknown, possibly heron	Unknown - heron?	Moderate, uniform corrosion	0.25
CH15_5	18174	South.P	Midden	Anseriformes	Goose	Anseriformes - goose	Moderate, uniform corrosion	0.6
CH15_6	19564	North.G	Midden	Anseriformes-like	Unknown, possibly swan	cf. large Anseriformes	No resorption	0.69
CH15_7	19564	North.G	Midden	Anseriformes-like	cf. goose	Anseriformes - cf. goose	No resorption	0.63
CH15_8	19564	North.G	Midden	Anseriformes	Goose	Anseriformes - goose	No resorption	0.57
CH15_9	14012	South.Q	Midden	Anseriformes	Goose or swan?	Anseriformes - large	Patchy, very minimal corrosion	0.68
CH15_10	19564	North.G	Midden	Anseriformes-like	Unknown, size indicates swan	cf. swan	No resorption	0.71
CH15_11	19564	North.G	Midden	Anseriformes	Goose	Anseriformes - goose	No resorption	0.58
CH15_12	13191	4040-Post Chalcolithic	Burial fill	Anseriformes	cf. duck	Anseriformes - cf. duck	High, uniform corrosion	0.38
CH15_13	12654	4040.I	Midden	Anseriformes	Goose	Anseriformes - goose	No resorption	0.56
CH15_14	19380	South.M	Fill	Anseriformes	Goose	Anseriformes - goose	No resorption	0.61
CH15_15	14126	4040.I	Midden	Anseriformes	Goose	Anseriformes - goose	No resorption	0.62
CH15_16	14126	4040.I	Midden	Anseriformes	Goose/swan	Anseriformes - large	No resorption	0.67
CH15_17	14135	South.Q	Activity	Anseriformes	Goose	Anseriformes - goose	No resorption	0.64
CH15_18	13182	4040-Post Chalcolithic	Burial fill	Anseriformes	Goose	Anseriformes - goose	Patchy, minimal corrosion	0.63
CH15_19	13182	4040-Post Chalcolithic	Burial fill	Anseriformes	Goose	Anseriformes - goose	No resorption	0.55
CH15_20	13182	4040-Post Chalcolithic	Burial fill	Anseriformes	cf. goose	Anseriformes - cf. goose	Moderate, uniform corrosion	0.57
CH15_21	11369	South.Q	Midden	Anseriformes	cf. goose	Anseriformes - cf. goose	Moderate, mostly uniform corrosion	0.59

Online table SI3.1. Summary of eggshell samples analysed, their context and the identification provided by palaeoproteomics, microscopy and the combination of the two; changes in the surface of the mammillae (e.g. no resorption, corrosion); taphonomy (e.g. burning), and the eggshell's thickness.

Sample name	Unit	Hodder Level	Broad Type of Deposit	ID (proteins)	ID (morphology)	ID (combined)	Development/Taphonomy	Thickness (mm)
CH15_22	19114	South.P	Midden	Anseriformes	Goose	Anseriformes - goose	No resorption	0.63
CH15_23	19114	South.P	Midden	Undetermined, poss. Accipitriformes	Unknown, possibly vulture	Undetermined	No resorption	0.6
CH15_24	13103	4040.I	Midden	Anseriformes	cf. goose?	Anseriformes - large	Very high, uniform corrosion	0.61
CH15_25	13103	4040.I	Midden	Undetermined	Unknown not same as 15_4	Undetermined	Very high, uniform corrosion	0.5
CH15_26	13151	4040.I	Activity	Low-quality spectrum	Unknown, possibly duck?	Unknown - duck?	Some physical damage, no resorption	0.29
CH15_27	13151	4040.I	Activity	Low-quality spectrum	cf. goose	Anseriformes - cf. goose	No resorption	0.56
CH15_28	19245	South.O	Fill	Anseriformes	Goose	Anseriformes - goose	Patchy, very minimal corrosion	0.66
CH15_29	19245	South.O	Fill	Low-quality spectrum	Possibly heron	Unknown - heron?	Patchy, minimal corrosion	0.25
CH15_30	12508	South.P	Midden	Anseriformes	Goose	Anseriformes - goose	No resorption	0.63
CH15_31	19116	South.P	Midden	Anseriformes	cf. goose	Anseriformes - cf. goose	Patchy, moderate corrosion	0.55
CH15_32	12654	4040.I	Midden	Anseriformes	Goose	Anseriformes - goose	No resorption	0.68
CH15_33	12654	4040.I	Midden	Anseriformes	Goose	Anseriformes - goose	No resorption	0.64
CH15_34	30625	South.H	Midden	Large	Probable crane	Gruiformes - large cf. crane	No resorption	0.6
CH15_35	18192	South.P	Midden	Anseriformes	cf. goose	Anseriformes - cf. goose	Moderate, uniform corrosion	0.54
CH15_36	18192	South.P	Midden	Anseriformes	cf. goose	Anseriformes - cf. goose	Moderate, uniform corrosion	0.61
CH15_37	18192	South.P	Midden	Small	Possible heron	Unknown - heron?	Patchy, very minimal corrosion	0.23
CH15_38	11367	South.Q	Midden	Anseriformes	cf. goose	Anseriformes - cf. goose	High, uniform corrosion	0.58
CH15_39	11367	South.Q	Midden	Low-quality spectrum	cf. goose	cf. goose	Slightly patchy, moderate corrosion	0.57
CH15_40	11367	South.Q	Midden	Anseriformes	cf. goose	Anseriformes - cf. goose	High, uniform corrosion	0.53

Online table S13.1 (continued). Summary of eggshell samples analysed, their context and the identification provided by palaeoproteomics, microscopy and the combination of the two; changes in the surface of the mammillae (e.g. no resorption, corrosion); taphonomy (e.g. burning), and the eggshell's thickness.

Sample name	Unit	Hodder Level	Broad Type of Deposit	ID (proteins)	ID (morphology)	ID (combined)	Development/Taphonomy	Thickness (mm)
CH19_1	22641	North.G	Burial fill	Low-quality spectrum	cf. goose	cf. goose	Burnt. No resorption	0.67
CH19_2	22641	North.G	Burial fill	Low-quality spectrum	Possible duck? Possible heron?	Undetermined	Moderate, uniform corrosion	0.28
CH19_3	22641	North.G	Burial fill	Low-quality spectrum	Goose	Anseriformes - goose	No resorption	0.55
CH19_4	22351	South.K	Midden	Large	Very probable crane	Gruiformes - large cf. crane	No resorption	0.54
CH19_5	22351	South.K	Midden	Large	Very probable crane	Gruiformes - large cf. crane	No resorption	0.51
CH19_6	22351	South.K	Midden	Undetermined	cf. goose?	Undetermined	Patchy minimal corrosion	0.6
CH19_7	32106	North.?H	Midden	Anseriformes	Goose	Anseriformes - goose	Minimal, uniform corrosion	0.6
CH19_8	22676	North.G	Burial fill	Low-quality spectrum	Goose	Anseriformes - goose	No resorption	0.54
CH19_9	22676	North.G	Burial fill	Low-quality spectrum	Possibly swan	cf. swan	Burnt, physical damage, but no resorption	0.73
CH19_10	32692	South.?I, South.?H,	Midden	Anseriformes	Goose	Anseriformes - goose	No resorption	0.61
CH19_11	32692	South.?I, South.?H,	Midden	Anseriformes	Goose	Anseriformes - goose	No resorption	0.62
CH19_12	32692	South.?I, South.?H,	Midden	Low-quality spectrum	cf. goose	cf. goose	Burnt. No resorption	0.6
CH19_13	32692	South.?I, South.?H,	Midden	Undetermined/medium?	Unknown. Possible bustard?	Unknown - bustard?	No resorption	0.41
CH19_14	23634	North.F	Midden	Anseriformes	Goose	Anseriformes - goose	No resorption	0.66
CH19_15	32145	North.G	Midden	Anseriformes	cf. duck	Anseriformes - duck	Very high, uniform corrosion	0.3
CH19_16	32145	North.G	Midden	Anseriformes	Goose	Anseriformes - goose	Patchy, very minimal corrosion	0.58

Online table SI3.1 (continued). Summary of eggshell samples analysed, their context and the identification provided by palaeoproteomics, microscopy and the combination of the two; changes in the surface of the mammillae (e.g. no resorption, corrosion); taphonomy (e.g. burning), and the eggshell's thickness.

Sample name	Unit	Hodder Level	Broad Type of Deposit	ID (proteins)	ID (morphology)	ID (combined)	Development/Taphonomy	Thickness (mm)
CH19_17	32128	North.G	Midden	Anseriformes	cf. goose	Anseriformes - goose	High, uniform corrosion	0.62
CH19_18	32128	North.G	Midden	Large	Unknown	Gruiformes	Minimal, uniform corrosion	0.4
CH19_19	32128	North.G	Midden	Anseriformes	cf. duck	Anseriformes - duck	Unclear. Probably minimal corrosion	0.31
CH19_20	21814	South.K	Burial fill	Anseriformes	Duck	Anseriformes - duck	No resorption	0.3
CH19_21	21814	South.K	Burial fill	Medium	Possible bustard?	Unknown - bustard?	No resorption	0.49
CH19_22	21814	South.K	Burial fill	Large	Very probable crane	Gruiformes - large cf. crane	No resorption	0.63
CH19_23	21814	South.K	Burial fill	Anseriformes	Goose	Anseriformes - goose	No resorption	0.6
CH19_24	21814	South.K	Burial fill	Anseriformes	Duck	Anseriformes - duck	No resorption	0.33
CH19_25	32107	North.?H	Midden Activity	Anseriformes	cf. duck	Anseriformes - duck	High, uniform corrosion	0.31
CH19_26	32107	North.?H	Midden Activity	Anseriformes	Goose	Anseriformes - goose	No resorption	0.58
CH19_27	32107	North.?H	Midden Activity	Low-quality spectrum	Unknown, possibly goose?	Undetermined	Patchy, damaged, high corrosion	0.55
CH19_28	32106	North.?H	Midden	Anseriformes	cf. goose	Anseriformes - large	Moderate, uniform corrosion	0.56
CH19_29	32106	North.?H	Midden	Anseriformes	Unknown, probably goose?	Anseriformes	Very high, uniform corrosion	0.55
CH19_30	32106	North.?H	Midden	Small	Unknown	Undetermined	High, uniform corrosion	0.28
CH19_31	32764	North.F	Floor	Low-quality spectrum	Unknown	Undetermined	Unclear. Damaged	0.65
CH19_32	32764	North.F	Floor	Low-quality spectrum	cf. heron	Undetermined	No resorption	0.26
CH19_33	32123	North.G	Floor	Anseriformes-like	cf. duck	Anseriformes - duck	Patchy, moderate resorption	0.28
CH19_34	32123	North.G	Floor	Low-quality spectrum	Unknown	Undetermined	Unclear	6.5
CH19_35	32123	North.G	Floor	Anseriformes	Unknown, possibly goose?	Anseriformes	Damaged. cf. very high corrosion	0.48

Online table S13.1 (continued). Summary of eggshell samples analysed, their context and the identification provided by palaeoproteomics, microscopy and the combination of the two; changes in the surface of the mammillae (e.g. no resorption, corrosion); taphonomy (e.g. burning), and the eggshell's thickness.

Sample name	Unit	Hodder Level	Broad Type of Deposit	ID (proteins)	ID (morphology)	ID (combined)	Development/Taphonomy	Thickness (mm)
CH19_36	22512	South.K	Burial fill	Large	Very probable crane	Gruiformes - large cf. crane	No resorption	0.54
CH19_37	22512	South.K	Burial fill	Medium	Unknown. Possible bustard?	Unknown - bustard?	Unknown	0.48
CH19_38	22512	South.K	Burial fill	Small	Possible heron	Unknown - heron?	No resorption	0.28
CH19_39	22512	South.K	Burial fill	Anseriformes	Goose	Anseriformes	No resorption	0.55
CH19_40	21661	North.G	Midden	Anseriformes	Duck	Anseriformes	No resorption	0.25
CH19_41	32764	North.F	Floor	Low-quality spectrum	Unknown - possible coot	Undetermined	No resorption	0.3
CH19_42	32764	North.F	Floor	Large	Very probable crane	Gruiformes - large cf. crane	No resorption	0.51
CH19_43	32111	North.?H	Midden activity	Anseriformes-like	cf. goose	Anseriformes	Moderate, uniform corrosion	0.62
CH19_44	23203	South.K, South.?I	Floor	Medium	Unknown. Similar to Ch19_37	Unknown - bustard?	No resorption	0.51
CH19_45	32405	South.K	Floor	Large	Very probable crane	Gruiformes - large cf. crane	Patchy, very minimal corrosion	0.54
CH19_46	32405	South.K	Floor	Large	Possible crane	Gruiformes	Patchy, very minimal corrosion	0.47
CH19_47	32405	South.K	Floor	Low-quality spectrum	Possible cormorant??	Undetermined	No resorption	0.45
CH19_48	32114	North.G	Midden	Anseriformes	cf. goose	Anseriformes - cf. goose	Moderate, uniform corrosion	0.52
CH19_49	32114	North.G	Midden	Anseriformes	Duck	Anseriformes - duck	Patchy, very minimal corrosion	0.37
CH19_50	32114	North.G	Midden	Anseriformes	cf. goose	Anseriformes - cf. goose	High, uniform corrosion	0.58

Online table S13.1 (continued). Summary of eggshell samples analysed, their context and the identification provided by palaeoproteomics, microscopy and the combination of the two; changes in the surface of the mammillae (e.g. no resorption, corrosion); taphonomy (e.g. burning), and the eggshell's thickness.

Please note that in this table, S13.1, ‘no resorption’ is used to indicate a lack of developmental activity and ‘corrosion’ is used where developmental and taphonomic signals cannot be conclusively separated. Corrosion is described by its regularity/irregularity and intensity of mammillae destruction (minimal, moderate, high, very high). Where corrosion is very regular, it is more likely to result from chick development, whereas patchy, irregular corrosion is often taphonomic in nature (Sichert et al. 2019). Please note that the codes CH15 and CH19 refer to year of analysis only.

Bibliography

Sichert, B., Rentzel, P., Demarchi, B., Best, J., Negri, A., Deschler-Erb, S. 2019: ‘Incubated eggs in a Roman burial? A preliminary investigation on how to distinguish between the effects of incubation and taphonomy on avian eggshell from archaeological sites’ *Journal of Archaeological Science: Reports* 26: 101845