[Supplementary Materials]

Deep stratigraphy of submerged Neolithic sites: a micro-geoarchaeological approach to the study of coastal settlements in the Eastern Mediterranean

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Table S1. Results of sediment core analysis. Mineralogy is based on Fourier-Transform Infrared Spectroscopy (FTIR). Cl = clay; (u.a.) = unaltered; (a) = altered; Ca = calcite; Q = quartz; CHAP = carbonated hydroxyapatite. Phytolith concentration is calculated in million phytoliths per 1g sediment.

Core (location)	Stratigraphic unit	Sediment sample (depth)	Mineralogy	Phytolith concentration
AY-2021-1 (outside structure 6)	Layer 1: dark clay and small white inclusion (<5mm) Thickness: 0–0.60m	AY-1.1 (0.05m)	Cl(u.a.)/Q/Ca	0.025
		AY-1.2 (0.10m)	Cl(u.a.)/Ca/Q	0.110
		AY-1.3	Cl(u.a.)/Ca/Q	0.016

		(0.15m)		
		AY-1.4 (0.20m)	Cl(u.a.)/Ca/Q	0.230
		AY-1.5 (0.25m)	Cl(u.a.)/Ca/Q	0.027
		AY-1.6 (0.30m)	Cl(u.a.)/Ca/Q	0.055
		AY-1.7 (0.35m)	Cl(u.a.)/Ca/Q	
		AY-1.8 (0.40m)	Cl(u.a.)/Ca/Q	
		AY-1.9 (0.45m)	Cl(u.a.)/Ca/Q	0.155
		AY-1.10 (0.50m)	Cl(u.a.)/Ca/Q	
		AY-1.11 (0.55m)	Cl(u.a.)/Ca/Q	0.047
	Layer 2: dark sandy clay with red inclusion (approximately10–20mm) and charred organic matter Thickness: 0.60–0.95m	AY-1.12 (0.60m)	Cl(u.a.)/Q/Ca	0.322
		AY-1.13 (0.65m)	Cl(u.a.)/Q/Ca	0.462
		AY-1.14 (0.70m)	Cl(u.a.)/Q/Ca	0.572
		AY-1.15 (0.75m)	Cl(u.a.)/Q/Ca	1.064

		AY-1.16 (0.80m)	Cl(u.a.)/Q/Ca	0.323
		AY-1.17 (0.90m)	Cl(a)/Q/Ca	0.406
	Layer 3: light grey clay with small white inclusion (<5mm) and charred organic matter Thickness: 0.95-1.35m	AY-1.18 (0.95m)	Cl(u.a.)/Ca/Q	0.032
		AY-1.19 (1.00m)	Cl(u.a.)/Q/Ca	
		AY-1.20 (1.05m)	Cl(u.a.)/Q/Ca	0.172
		AY-1.21 (1.10m)	Cl(u.a.)/Q/Ca	
		AY-1.22 (1.15m)	Cl(u.a.)/Q/Ca	
		AY-1.23 (1.20m)	Cl(u.a.)/Q/Ca	0.074
		AY-1.24 (1.25m)	Cl(u.a.)/Q/Ca	<0.010
		AY-1.25 (1.30m)	Cl(u.a.)/Q/Ca	
AY-2021-2 **(inside structure 9)**	Layer 1: dark sandy clay with a lot of shells fragments (2mm) and various inclusion black, white and red (2mm) Thickness: 0-0.05m	AY-2.1 (0.04m)	Ca/Q/Cl(u.a.)	0.215
		AY-2.2	Cl(u.a.)/Ca/Q	0.102

	Layer 2: dark clay rich on inclusions (charred organic matter and white stones. In the upper 0.40m, large pebble (30–50mm) are sporadically found. In the lower part, 0.90m onwards, higher amount of organic matter Thickness: 0.05–1.29m.	(0.08m)		
		AY-2.3 (0.12m)	Cl(u.a.)/Ca/Q	0.057
		AY-2.4 (0.16m)	Cl(u.a.)/Ca/Q	<0.010
		AY-2.5 (0.20m)	Cl(u.a.)/Ca/Q/ CHAP	0.052
		AY-2.6 (0.24m)	Cl(u.a.)/Ca/Q/ CHAP	0.053
		AY-2.7 (0.30m)	Cl(u.a.)/Ca/Q	
		AY-2.8 (0.36m)	Cl(u.a.)/Ca/Q	
		AY-2.9 (0.41m)	Cl(u.a.)/Ca/Q	0.070
		AY-2.10 (0.46m)	Cl(u.a.)/Ca/Q	
		AY-2.11 (0.50m)	Cl(u.a.)/Ca/Q	
		AY-2.12 (0.54m)	Cl(u.a.)/Ca/Q	0.075
		AY-2.13 (0.60m)	Cl(u.a.)/Ca/Q	
		AY-2.14 (0.65m)	Cl(u.a.)/Ca/Q	

		AY-2.15 (0.70m)	Cl(u.a.)/Ca/Q	<0.010
		AY-2.16 (0.75m)	Cl(u.a.)/Ca/Q	
		AY-2.17 (0.80m)	Cl(u.a.)/Ca/Q	
		AY-2.18 (0.85m)	Cl(u.a.)/Ca/Q	0.025
		AY-2.19 (0.89m)	Charred organic	
		AY-2.20 (0.90m)	Ca/Cl(u.a.)/Q	0.048
		AY-2.21 (0.95m)	Cl(u.a.)/Ca/Q/ CHAP	0.030
		AY-2.22 (1.00m)	Cl(u.a.)/Ca/Q	
		AY-2.23 (1.05m)	Cl(u.a.)/Ca/Q	
		AY-2.24 (1.10m)	Cl(u.a.)/Ca/Q	0.096
		AY-2.25 (1.15m)	Cl(u.a.)/Q/Ca	
		AY-2.26 (1.20m)	Cl(u.a.)/Q/Ca	

		AY-2.27 (1.26m)	Charred organic	
		AY-2.28 (1.25m)	Cl(u.a.)/Q/Ca	0.065
	Layer 3: brown sand enriched in clay. A small black lamina (4mm thick) is noted at 1.36m Thickness: 1.29–1.40m	AY-2.29 (1.30m)	Cl(u.a.)/Q/Ca	0.053
		AY-2.30 (1.35m)	Q/Cl(u.a.)/Ca	0.054
	Layer 4: light grey clay with small white inclusion (10mm) and charred organic matter Thickness: 1.40–1.55m	AY-2.31 (1.40m)	Cl(u.a.)/Q/Ca	0.050
		AY-2.32 (1.45m)	Cl(u.a.)/Q/Ca	0.013
		AY-2.33 (1.50m)	Cl(u.a.)/Q/Ca	