CENTRAL WINCHESTER REGENERATION

Archaeology Day

6th October 2021

AGENDA

Introduction

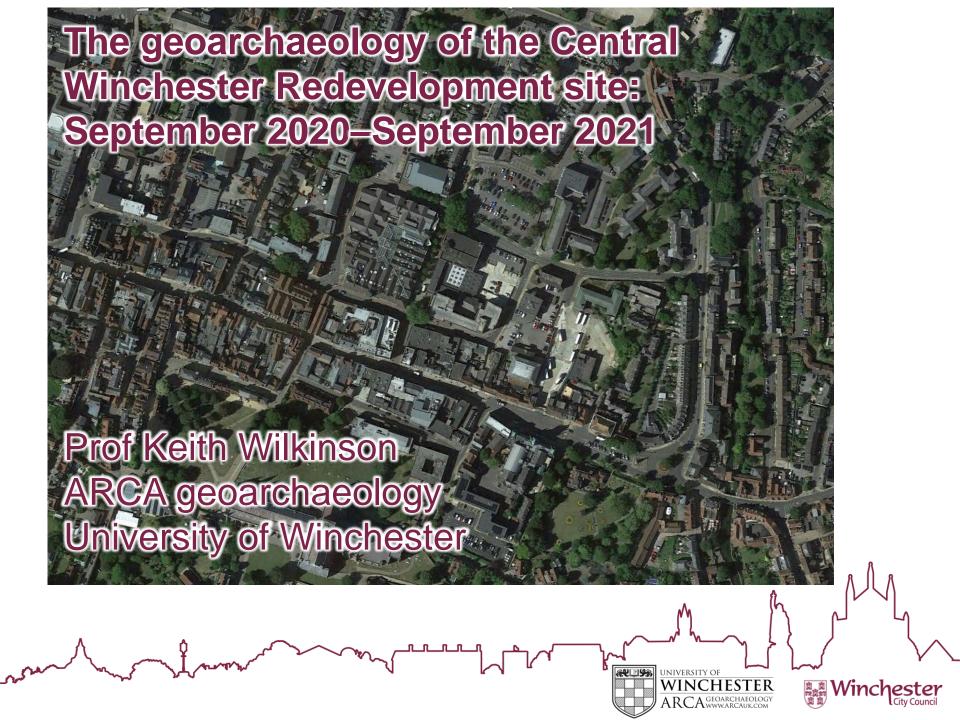
Update on findings

Q&A

Close

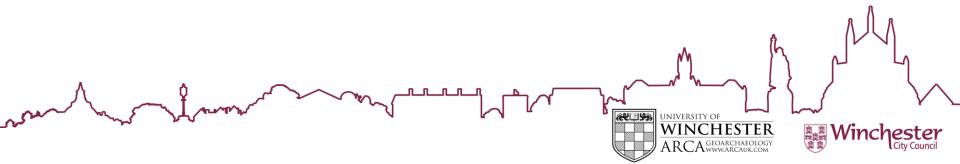
Introduction

UPDATE

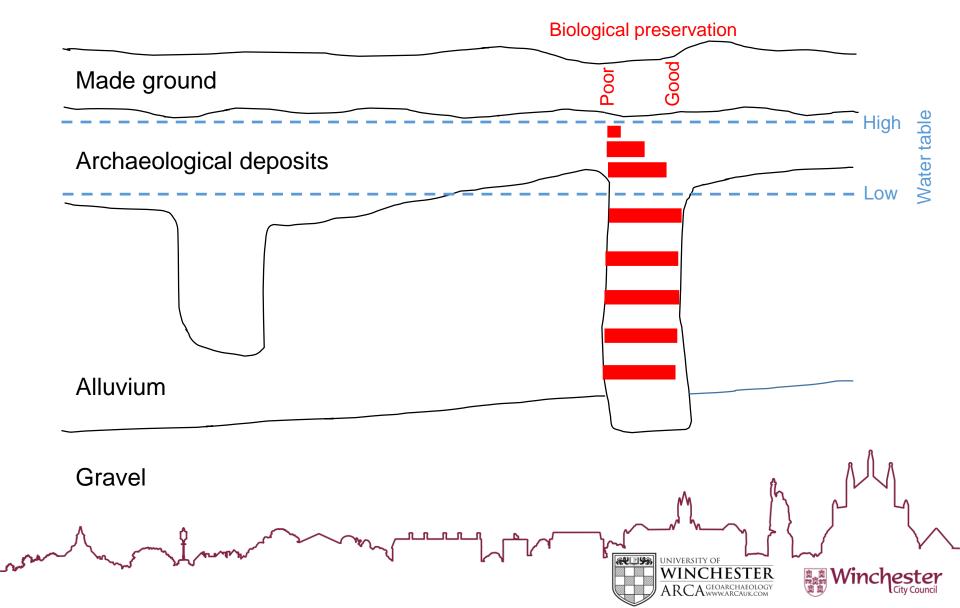


AIMS OF THE GEOARCHAEOLOGICAL STUDY

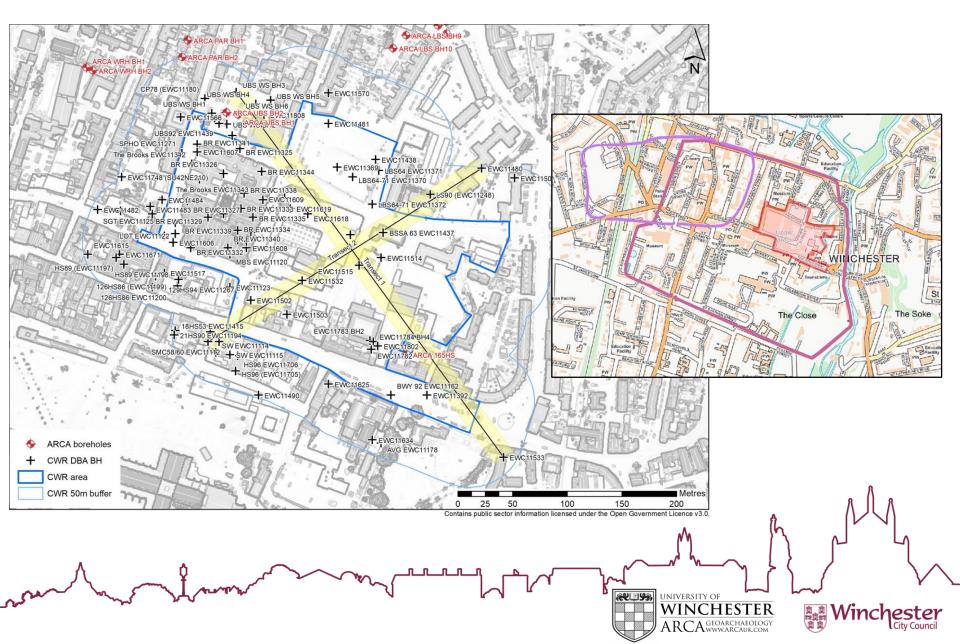
- Reconstruct the stratigraphic sequence underlying the CWR site;
- Determine the hydrological context of the site;
- Assess biological preservation in the deposits;
- Provide baseline information on the nature of biological preservation and the hydological environment of the site.



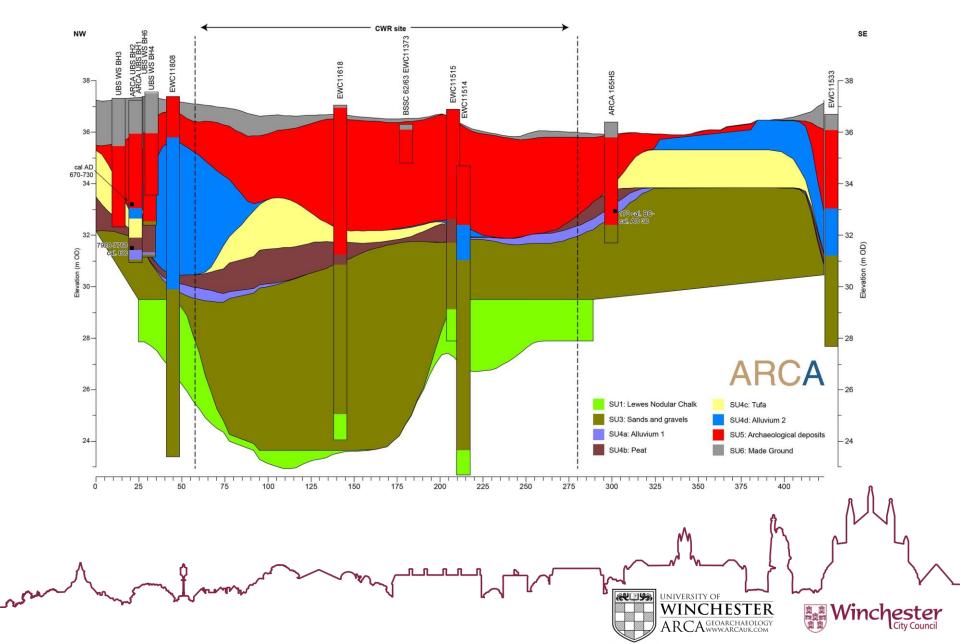
HYDROLOGY AND PRESERVATION



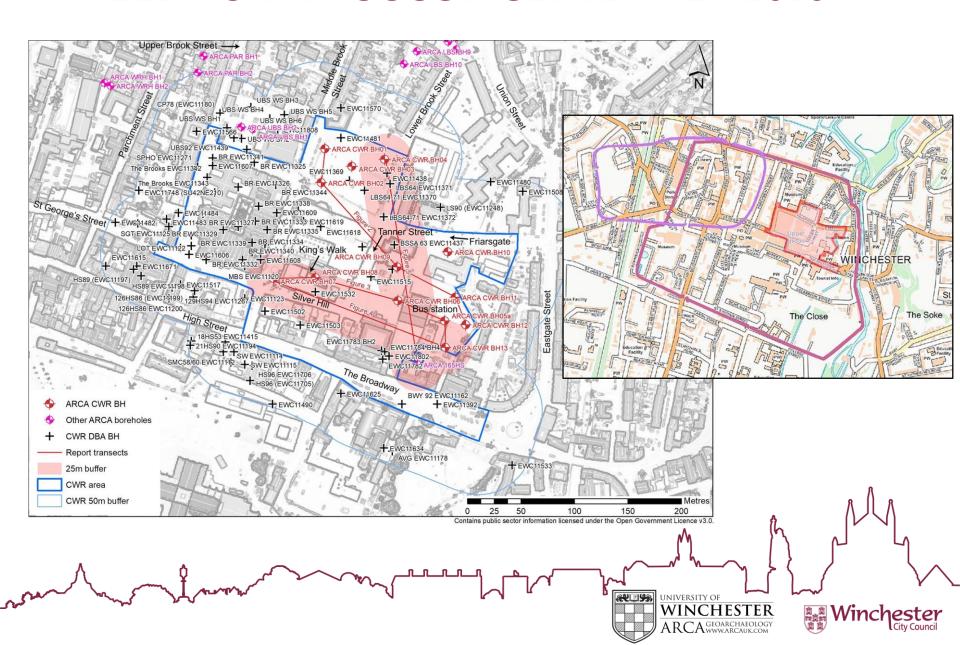
DESK-BASED RESEARCH: SUMMER 2020



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FIELDWORK: AUGUST-SEPTEMBER 2020

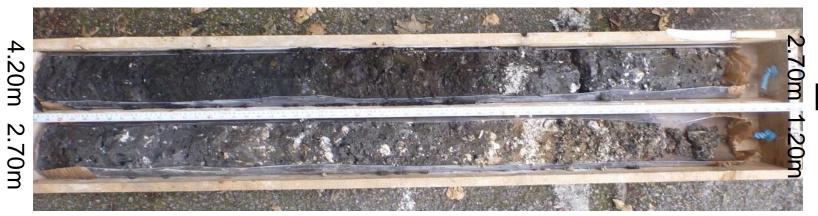


FIELDWORK: AUGUST-SEPTEMBER 2020





LABORATORY EXAMINATION: SEPTEMBER 2020–MARCH 2021



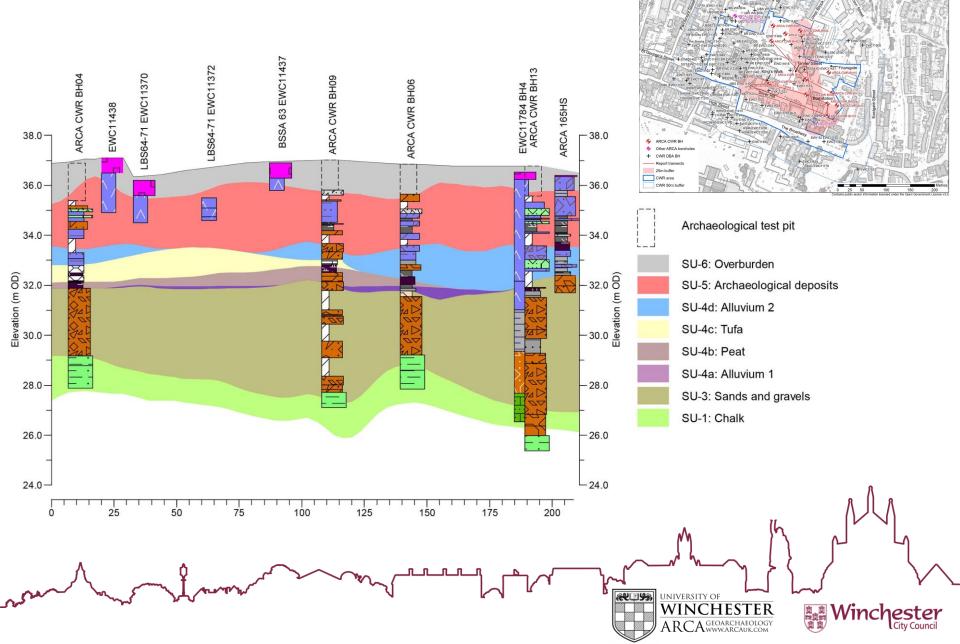
BH08



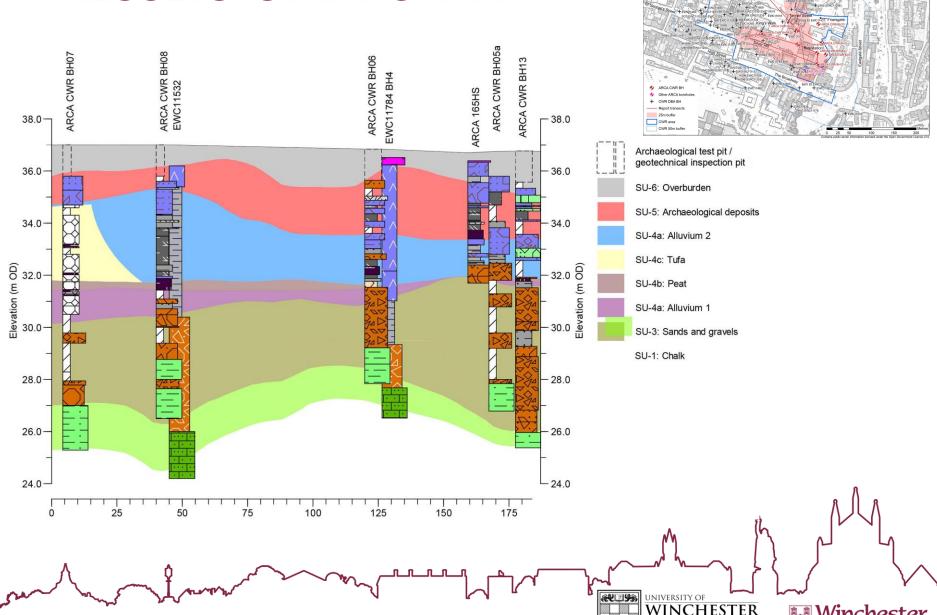
BH02

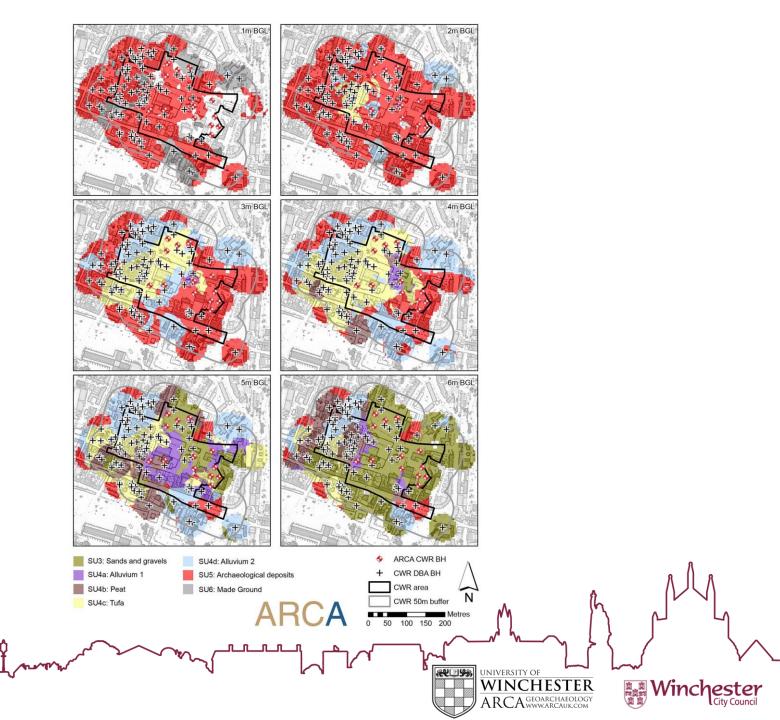
UNIVERSITY OF

RESULTS: STRATIGRAPHY



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RESULTS: SEDIMENTOLOGY AND GEOCHEMISTRY

SU	Samples	Moisture (%)	χ_{-}^{lf} SI units x10 ⁻⁸ m ³ kg ⁻¹	LOI 550 (%)	рН
1	12	16.46±2.04	0.91±0.74	1.62±0.69	9.36±0.13
3	7	17.05±8.52	32.51±56.40	4.76±5.93	8.70±0.72
4a	8	26.64±6.42	26.36±32.67	6.84±3.73	8.90±0.18
4b	24	60.83±14.82	3.01±6.81	48.17±30.45	8.54±0.37
4c	25	49.571±1.54	0.90±1.51	11.79±10.68	8.77±0.31
4d	47	37.89±11.44	35.56±80.98	13.38±17.33	8.82±0.27
5	67	41.45±12.13	73.48±134.81	14.53±9.73	8.64±0.23

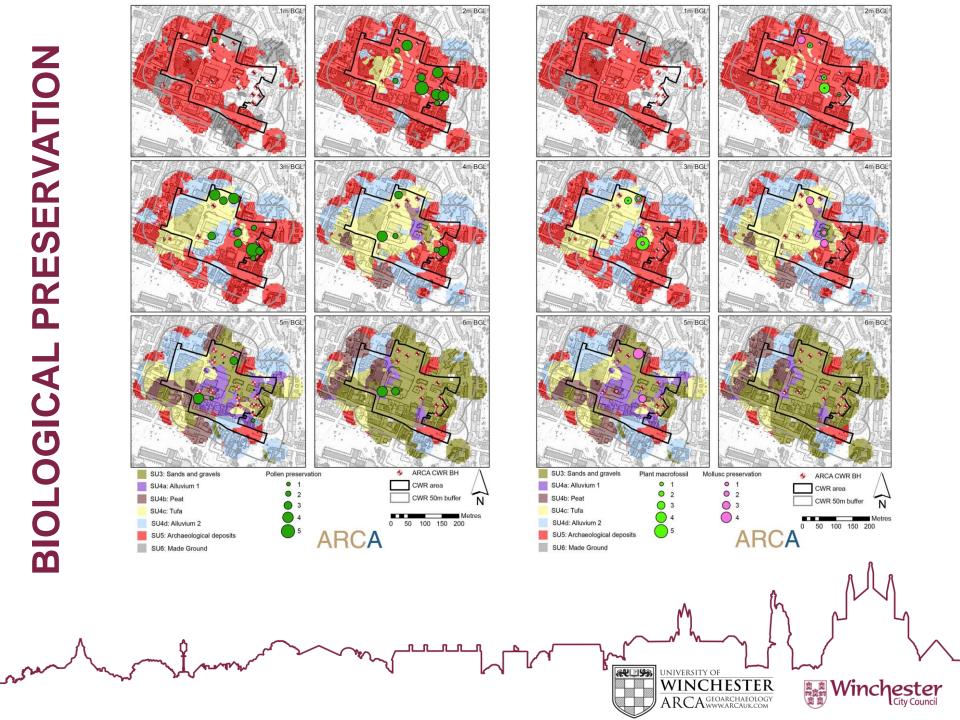
NB: SU1 = Lewes Nodule Chalk Formation, SU3 = River Terrace Deposits 1, SU4a = Alluvium 1, SU4b = Peat, SU4c Tufa, SU4d = Alluvium 2, SU5 = Archaeological strata

SU	Bal. (%)	Ca (%)	Si (%)	Fe (%)	K (%)	P (%)
1	59.76±1.61	36.70±1.91	2.02±0.64	0.40±0.17	0.27±0.07	0.14±0.06
3	68.90±4.29	21.27±9.39	7.26±5.21	1.09±0.55	0.41±0.28	0.18±0.06
4a	68.08±4.03	21.51±8.14	6.89±3.34	1.19±0.60	0.75±0.40	0.31±0.21
4b	80.04±11.55	14.02±13.77	3.19±4.84	1.09±0.77	0.29±0.36	0.16±0.04
4c	61.65 4.75	36.71 4.91	0.55±0.77	0.47±0.87	0.08±0.07	0.20±0.16
4d	65.74 6.07	27.54 7.83	4.06±2.65	0.93±0.51	0.39±0.23	0.36±0.36
5	67.06 4.85	23.94 4.65	4.67±1.41	1.24±0.55	0.20±0.13	0.57±0.46

NB: SU1 = Lewes Nodule Chalk Formation, SU3 = River Terrace Deposits 1, SU4a = Alluvium 1, SU4b = Peat, SU4c Tufa, SU4d = Alluvium 2, SU5 = Archaeological strata



Winchester は対象 Winchester

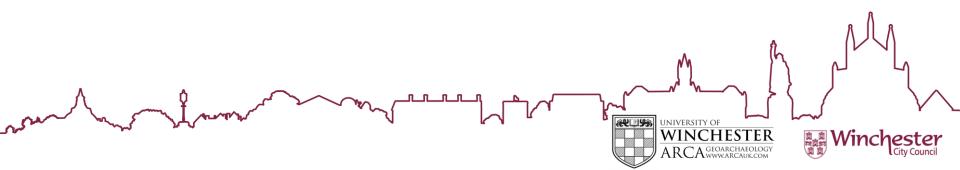


CONCLUSIONS

- Western part of the site contained the Itchen channel in the Early and/or Middle Holocene;
- The site coincided with the channel and floodplain of the Itchen in the Late Holocene;
- Flooding of the CWR continued to occur after the foundation of Venta Belgarum;
- Archaeological deposits formed from the Roman period onwards. They are thickest on the east of the site;
- Biological preservation is good throughout the archaeological deposits.

NEXT STEPS

- Final Stage 1 hydrological measurements collected on 29 September;
- Final Stage 1 geoarchaeology report due later in the autumn (integrating hydrology, stratigraphy, biology and archaeology as evidenced in the boreholes);
- Possibility of Stage 2 hydrological and geoarchaeological study.



Q&A

Close

