

Photo courtesy of Josh Withers.

SERVICE

Geomorphology and Geoarchaeology

IN-HOUSE EXPERT

Tony Barham

SELECT PROJECTS

Broadmeadow Locomotive Precinct (Newcastle)

Central Station Metro (Sydney)

Coastal Archaeology and Tsunami Impacts in the Kimberley (Western Australia)

Cockle Bay Project (Sydney)

Bronze Age Boat Salvage (UK)

English Channel Rail Tunnel (UK)

Fennel Bay Residential Development (Newcastle)

Papua New Guinea Cave Excavations

Rouse Hill Infrastructure Project (Sydney)

Woodburn to Ballina Pacific Highway Upgrade (Northern NSW)

LETS TALK!

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GEOMORPHOLOGY

Having an understanding of the topographic features and landform evolution of a site can be a valuable addition to a project, particularly where greenfield development might occur. When you work with us you'll have access to world-leading expert Tony Barham – Artefact's in-house Geomorphologist.

OUR OFFER

Our Geomorphology and Geoarchaeology specialists work closely with the broader Artefact teams providing a range of services. This is particularly important when it comes to Aboriginal Archaeology work and Cultural landscape mapping with Aboriginal communities.

Specifics include:

- Landform interpretation during archaeological survey and excavation to identify contexts and places with archaeological potential, high significance or community narrative values
- Deposit modelling using geotechnical data to assess subsurface development impacts
- On-site archaeological recording to archive site formation and past habitats
- Narrative summaries of the geomorphology of a site, for stakeholders and public display.
- Detailed scientific investigations, including dating, placing Heritage sites in the settings that existed in the past, and as evidence of past climates and ecologies.
- Using archaeological site stratigraphy to guide wetland restoration and re-wild habitats in development planning.

In addition, Tony plays a key role in mentoring and up-skilling Artefact team members.

EXPERTISE

Geomorphology at Artefact is headed-up by Tony Barham. Tony has over 30 years' experience working across archaeological excavations, heritage mitigation and impact assessments. He is a specialist in geoarchaeology and landscape heritage interpretation. Before joining Artefact, Tony was a researcher and University lecturer in geoarchaeology in Europe and Australia. He was also worked on major international infrastructure projects as a scientific archaeological heritage consultant.

