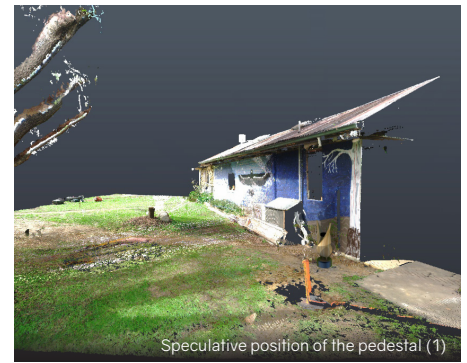


# SOUNDSCAPE BOX

## PROJECT OUTLINE

In collaboration with Aunty Kim and her work to share the Creation Story, a 'soundscape box' is to be designed, built and positioned at ECOSS. The final box shall complement the Creation Story mural wall being painted by artist Nikki Brown. The 'box' installation shall be in two parts: a soundbar speaker that sits virtually out of sight under the eaves of the mural wall, and a freestanding pedestal sensor that prompts Aunty Kim's narration of the Creation Story when activated. The story is further enriched by the soundscaping done by the sound engineer, Ryan. Cumulatively, the site shall provide an immersive experience for ECOSS visitors, whilst celebrating and showcasing the knowledge and stories of Aunty Kim and the Woi-Wurrung people.

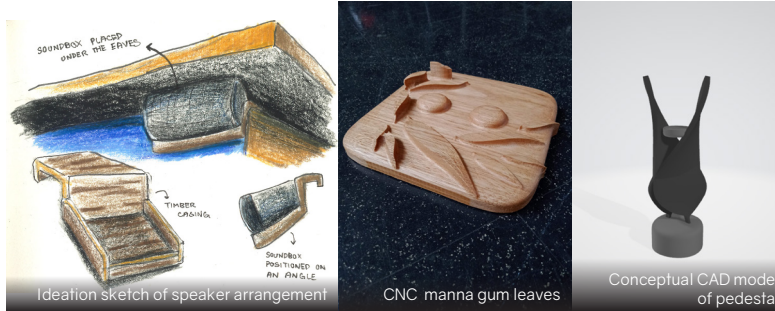
As an additional note, QR code plates are to be created and placed around the broader site, linking to different websites, such as the ECOSS webpage, or individual pages translating specific Woi-Wurrung terms.



Speculative position of the pedestal (1)



Speculative position of the pedestal (2)



Ideation sketch of speaker arrangement

CNC manna gum leaves

Conceptual CAD model of pedestal

## KEY DELIVERABLES

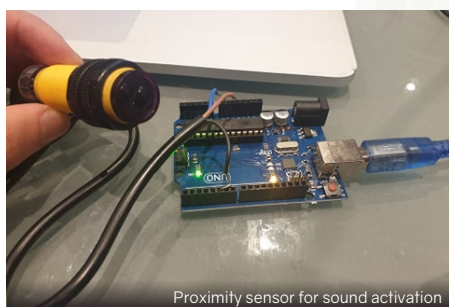
- Soundbar speaker positioned under the eaves
- Free-standing pedestal
- Sensory activation and connectivity
- Speculative landscape designs of the mural wall courtyard
- QR code plates and links

## DESIGN DEVELOPMENT

On account of both its significance in the Wurundjeri culture, along with the material beauty and durability, Manna Gum timber has been identified as the most appropriate material to create the 'soundscape box' from. Detailed conceptual designs are being developed with an emphasis on organic shapes and the use of manna gum hanging leaf as motif.

As the final sound box sensor will be placed outdoors, exploration and prototyping will be conducted to ensure that it is both waterproof and weather resistant.

In the current speculation, activating the speaker is through the implementation of an Arduino E18-D80NK Infrared Distance Ranging Sensor, which can be triggered by hand motion above the sensor. Connectivity and the power source of the sensor shall be further explored, with preference given to the use of solar power.



Proximity sensor for sound activation

## SPECIFICATIONS & CONSIDERATIONS MOVING FORWARD

- Budget: \$750.00AUD
- Aunty Kim's preference for either an abstract or realistic sculptural form
- Required speaker size
- Resistance against various weather conditions
- Ongoing maintenance