

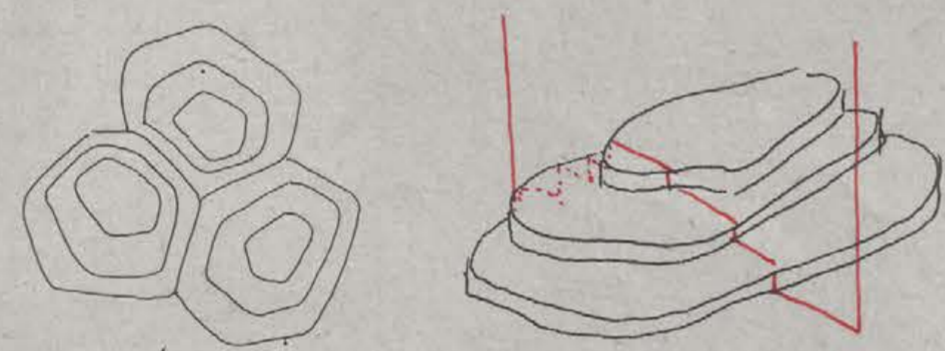
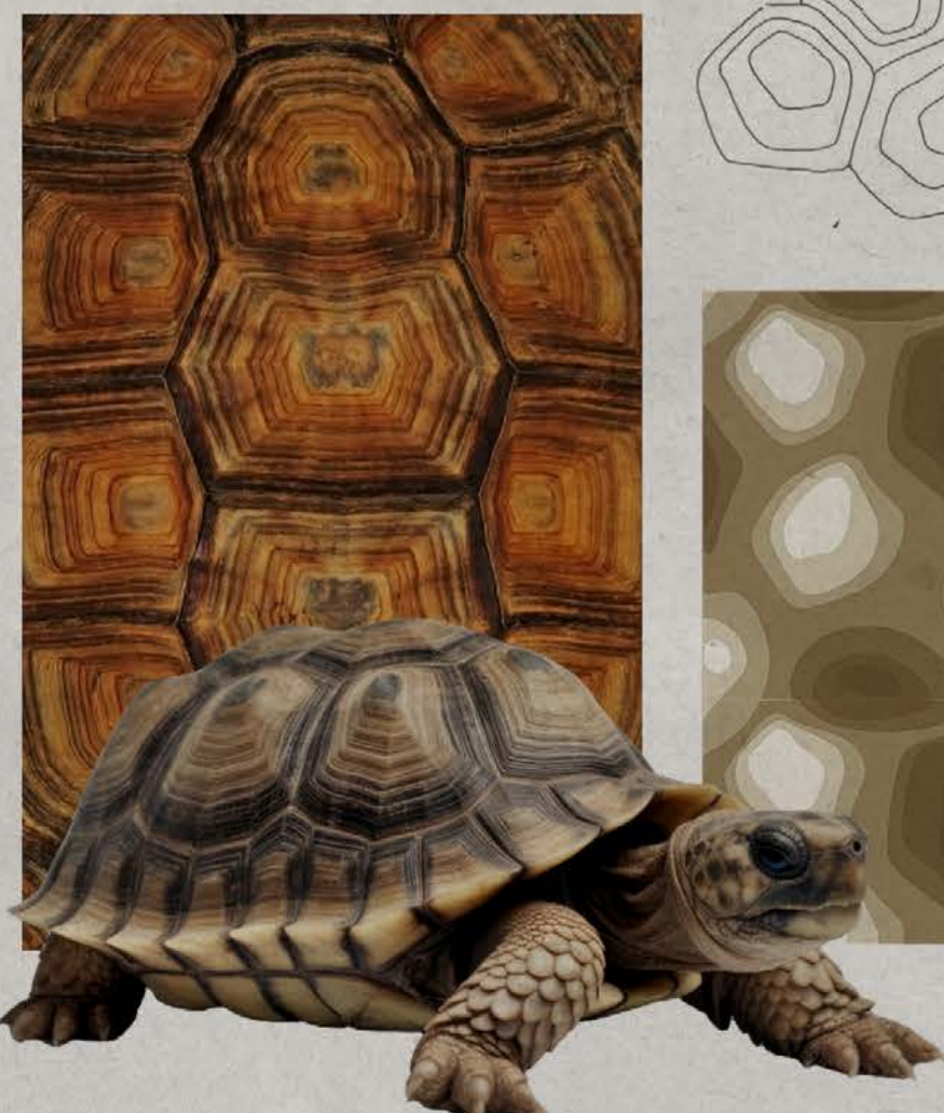
# Permenance &

# Decay

This project is a tessellating tile showcasing Permenance and Decay. We created a tile from a biodegradable material that would allow viewers to see the erosion process. Using recycled paper and a rubber mold, we created a biodegradable tile that represents three concepts, **Decay**, **Encouraging Growth**, and **Exploration**.

Our inspiration behind the project came from patterns that occur in nature, specifically the concentric shapes on tortoise shells. We took these shapes and created a tessellating pattern, and then experimented with different forms of layering, turning the pattern into a landscape for insects and plantlife.

These tiles would line riversides and encourage growth in neglected areas, as the paper pulp material has seeds of wildflowers and plants native to the area. This will encourage the native flora and fauna to return to these neglected areas, and serve as a place for people to connect with their environment.



## Decay

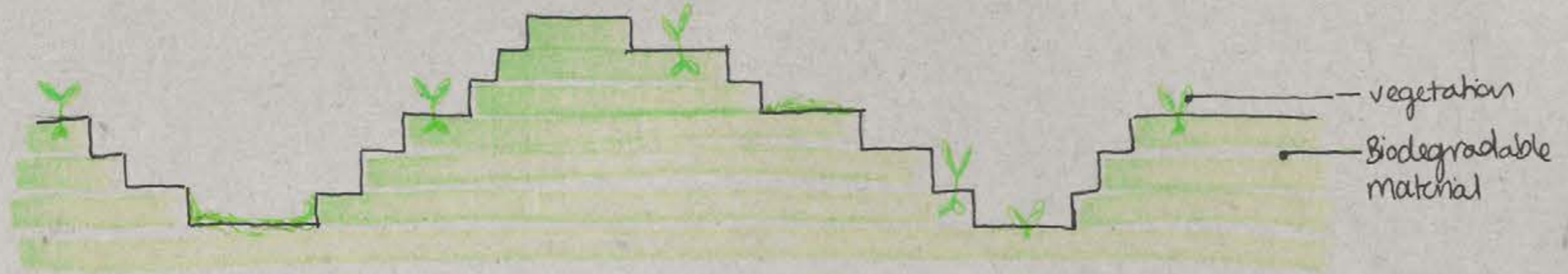
**Decay:** Lining riversides would allow different states of erosion based off water level and would allow people to see erosion as a gradient.

## Exploration

**Encouraging Growth:** Proximity to water would allow plants along the riverside to grow with enough moisture, and would attract pollinators to the area.

## Encouraging Growth

**Exploration:** Rivers are frequently explored by people, animals, and insects. Having a tile along the river would allow interspecies exploration and foster connection.

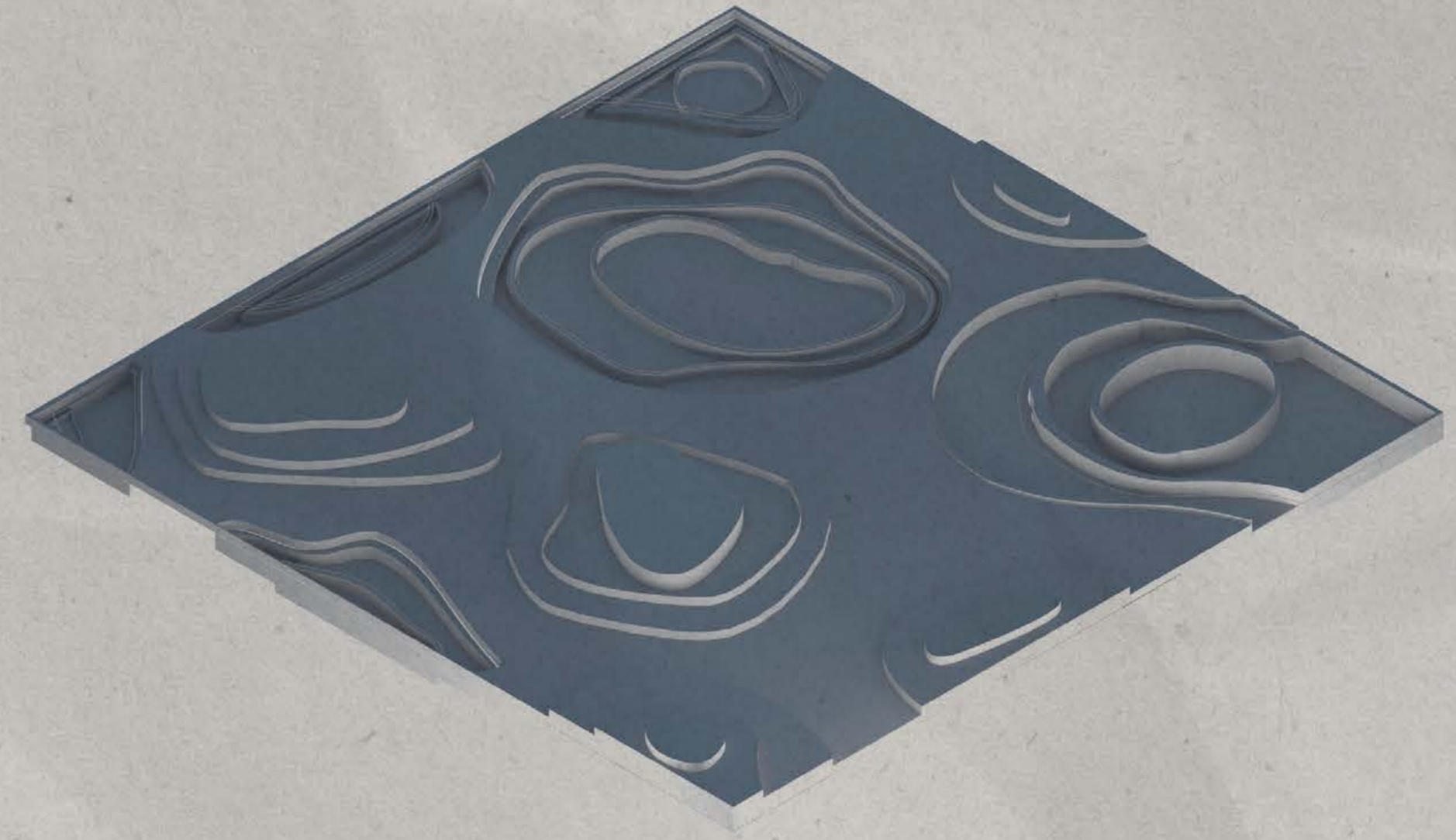
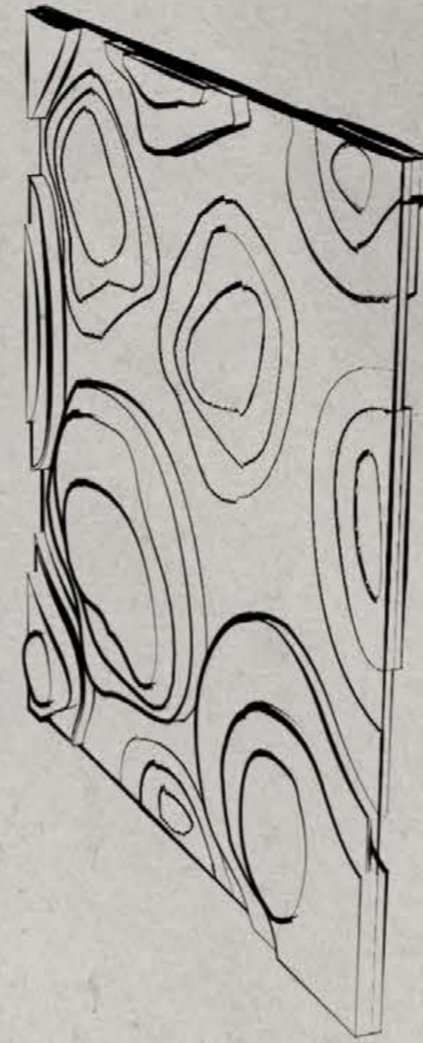


# Paper Pulp

# Mold



To make the paper pulp we collected paper to recycle. We used paper scraps from old projects, recycling from around the university, and shredded paper from local businesses.

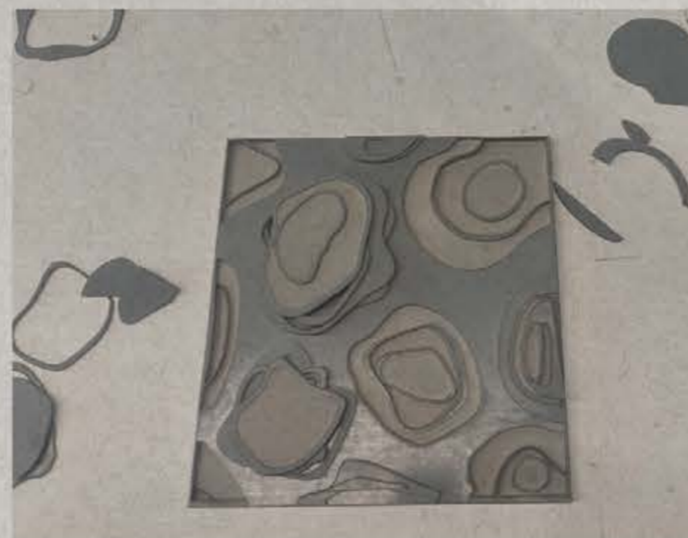
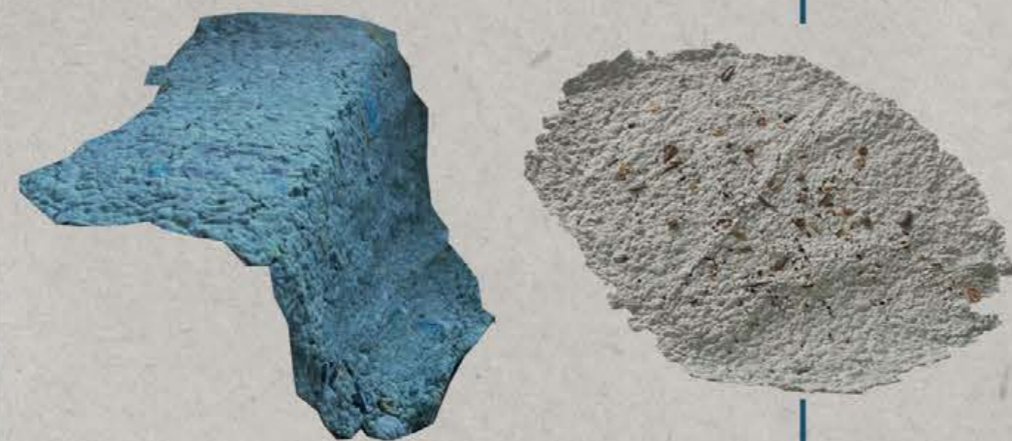


3D Visuals of the mold

Whole sheets of paper were ripped into smaller pieces, and all the shreds and pieces were poured into a jar with water to soak for 24 hours. After the paper was blended we poured seeds into the mixture and stirred it in before straining the water out, to ensure an even spread of seeds. This also allows the seeds to soak up the extra moisture from the paper during the drying process and helps them to sprout.



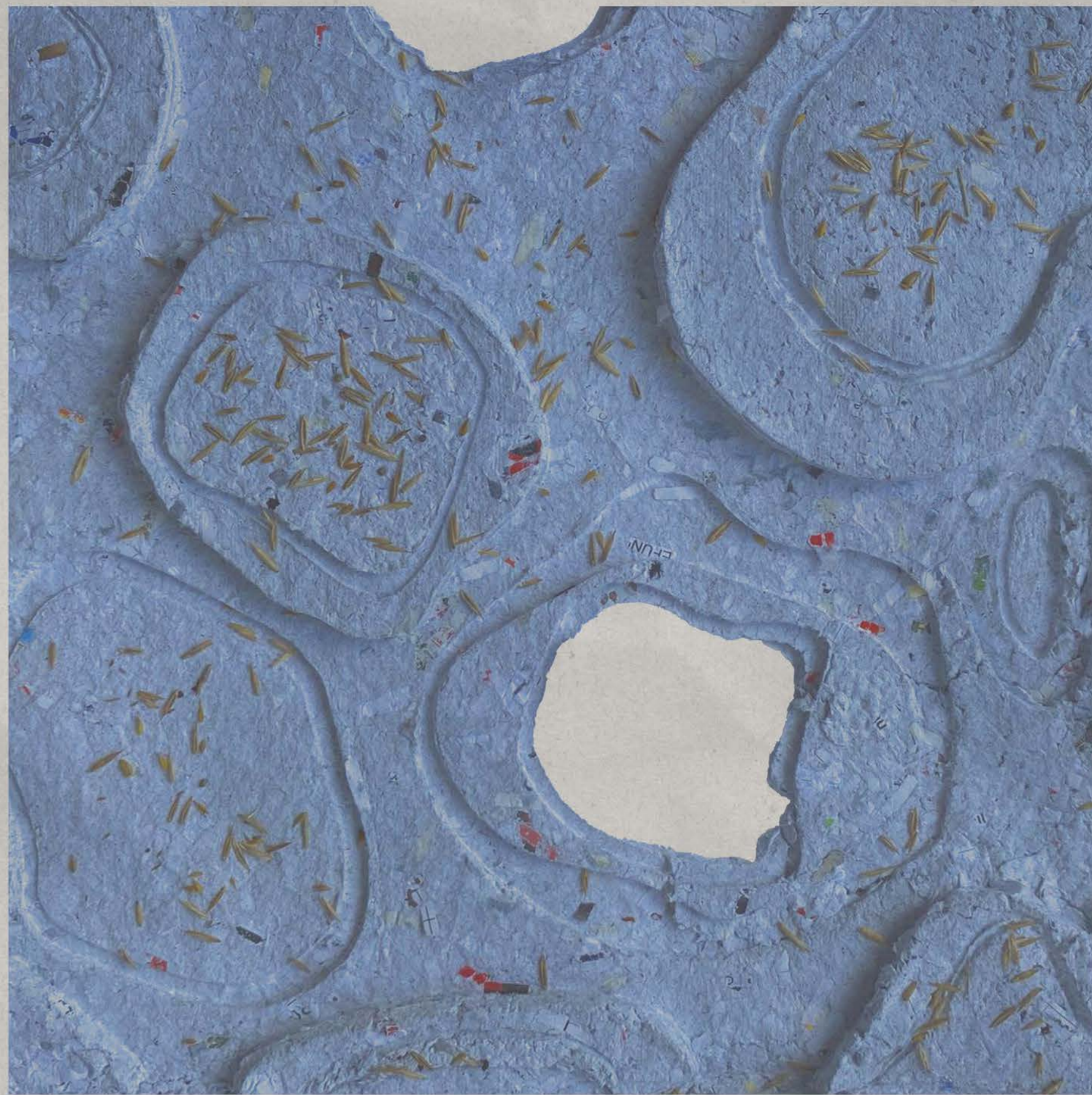
Testing of different blends and drying processes, seeing how fine the paper needs to be to dry properly and how best to incorporate the seeds. We also wanted to test to make sure the paper could mold around surfaces, ensuring its ability to drape over walls.



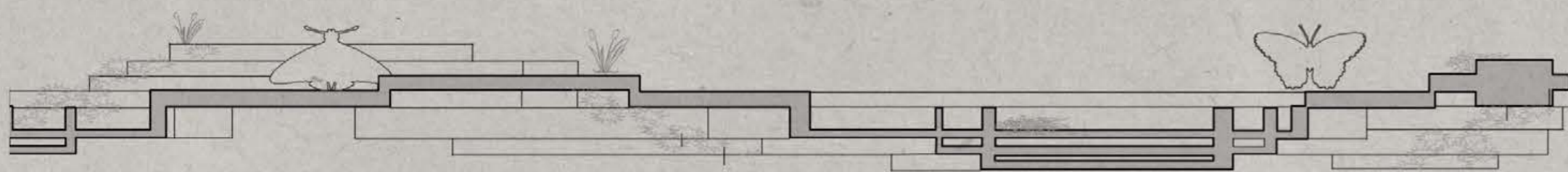
Laser cut rubber mold which allows for the paper to easily be removed and the mold to be reused.



# Details



Final tile

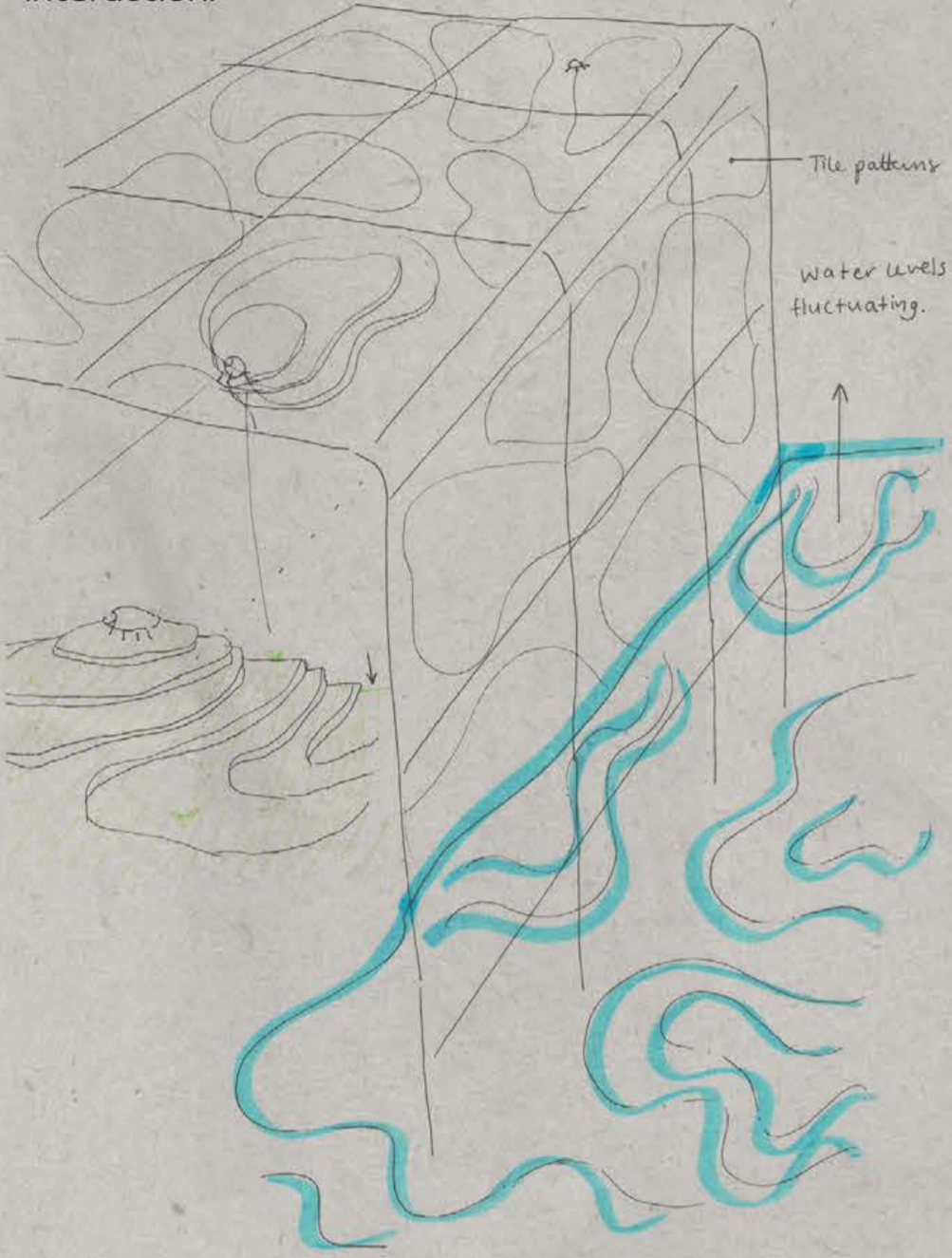


Plan and section of the tile

# Habitat

Below: Initial plans of the tile along the river, showing its interaction with water and plantlife.

Right: Final view of tiles along the river, showing human, plantlife, and animal interaction.



# Interaction



Tile fragment interacting with nature



Details of the landscape of the tile



Human, plant, animal, and pollinator interaction with the tile