



Creating 'Layers of Cramond'

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Building the model



The first attempt



During the first attempt at the experiment the group learnt to change the following for the final attempt:

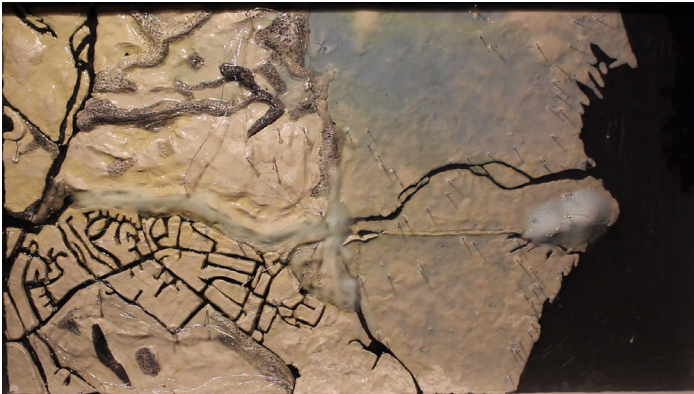
- Keep heads and bodies out of frame
- Carry out the experiment in a dark room where lighting can be controlled by group to avoid unnecessary reflections of light
- Be more careful when moving the model as the frame then is no longer right and overlaying the images on Photoshop won't work as planned



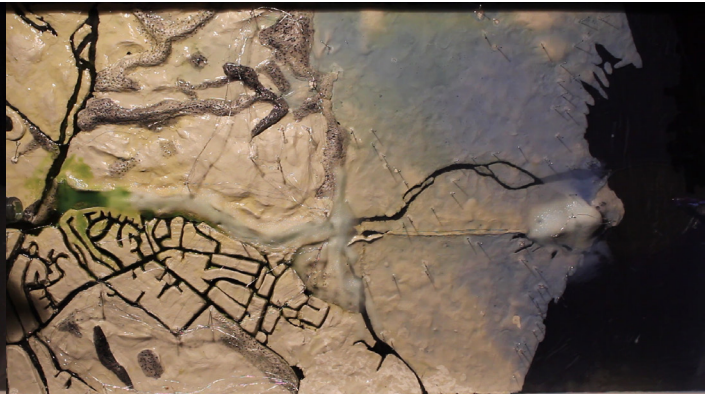


Second and final attempt &
building the panel

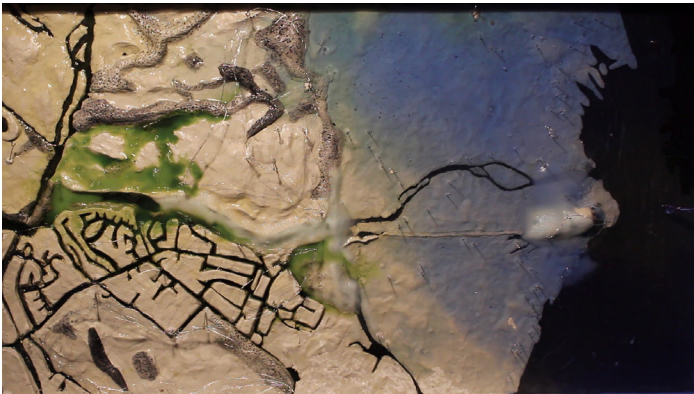
The layer of geology of Cramond



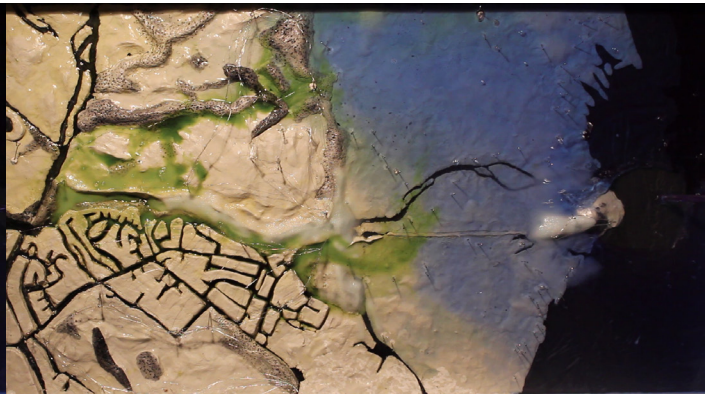
First stillshot: River Almond is full of salt and Cramond Island has a layer of salt covering it



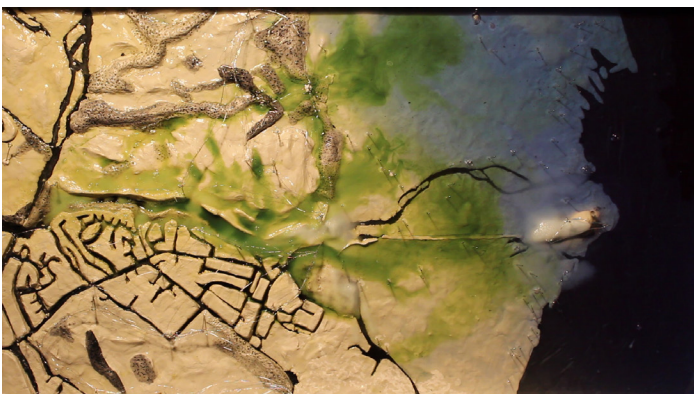
Second stillshot: the water is slowly eroding the shape of River Almond and Cramond Island



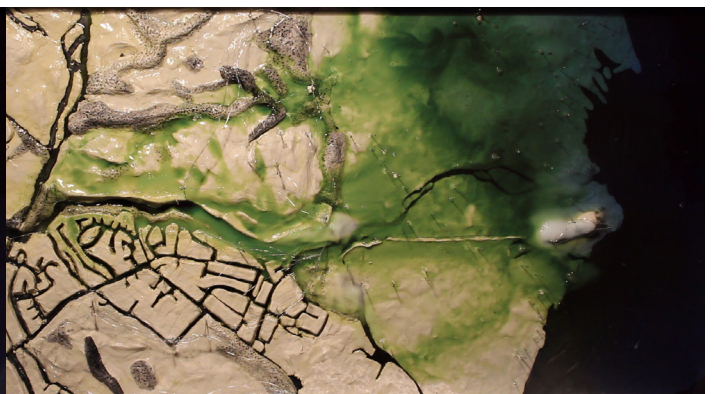
Third stillshot: the water has eroded a large part of River Almond and Cramond Island with sediments running over to the forest from the river and out into the Firth of Forth from the island



Fourth stillshot: the sediments from River Almond is running out into the mudflats, towards the sediments of Cramond Island

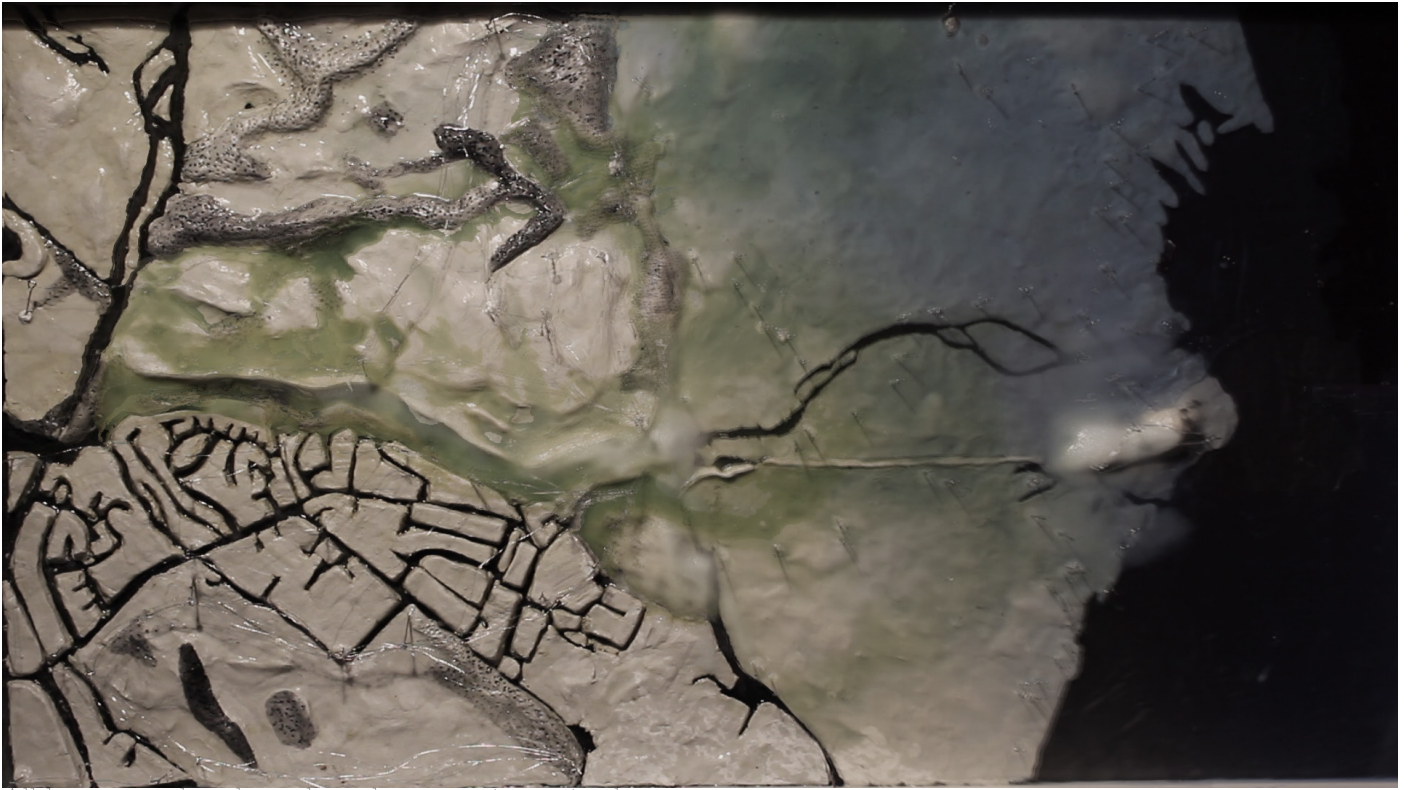


Fifth stillshot: River Almond is stretching further and its sediments are flowing with the water outwards to join Firth of Forth. Cramond Island is practically fully eroded.

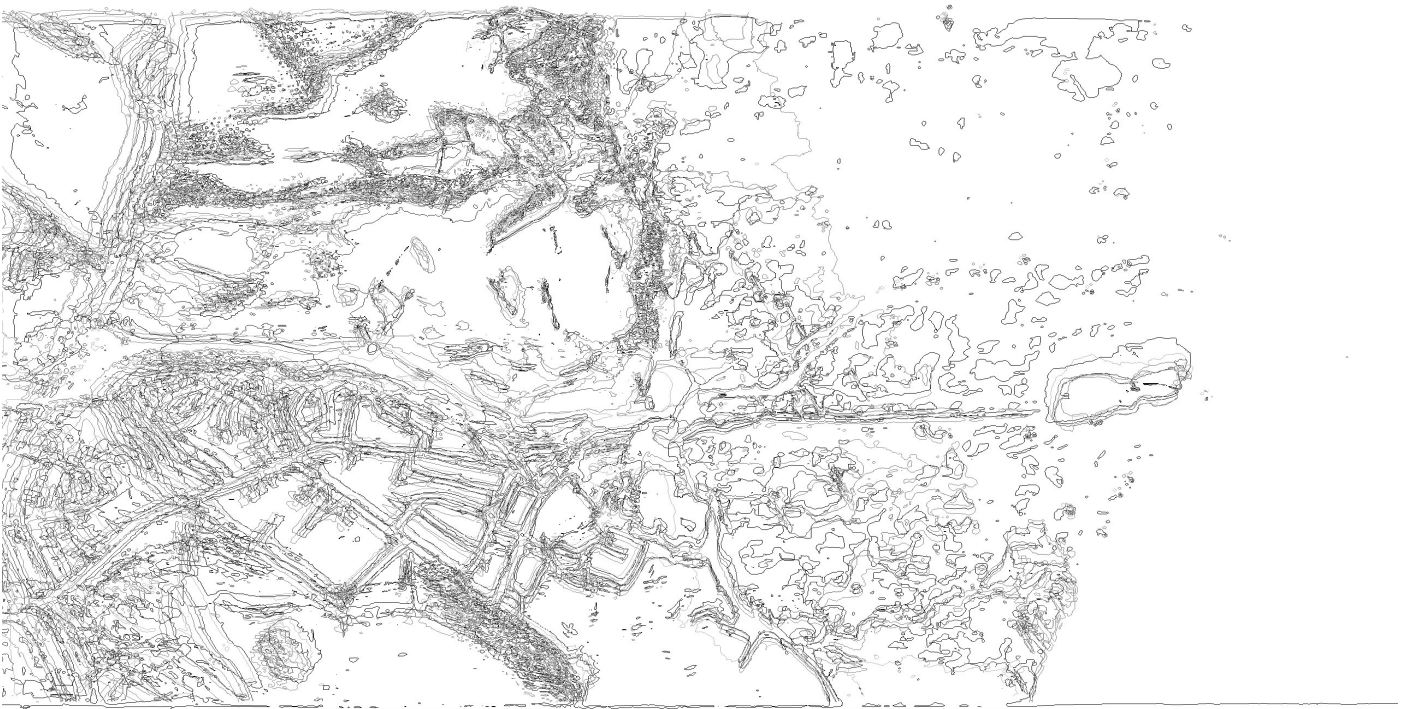


Sixth stillshot: River Almond is fully eroded in the sense that the water can flow all the way through. The two different types of sediment has blended in the lower part of the mudflats.

THE TIME BETWEEN EACH GEOLOGY STILLSHOT IS EQUIVALENT TO 100 MILLION YEARS

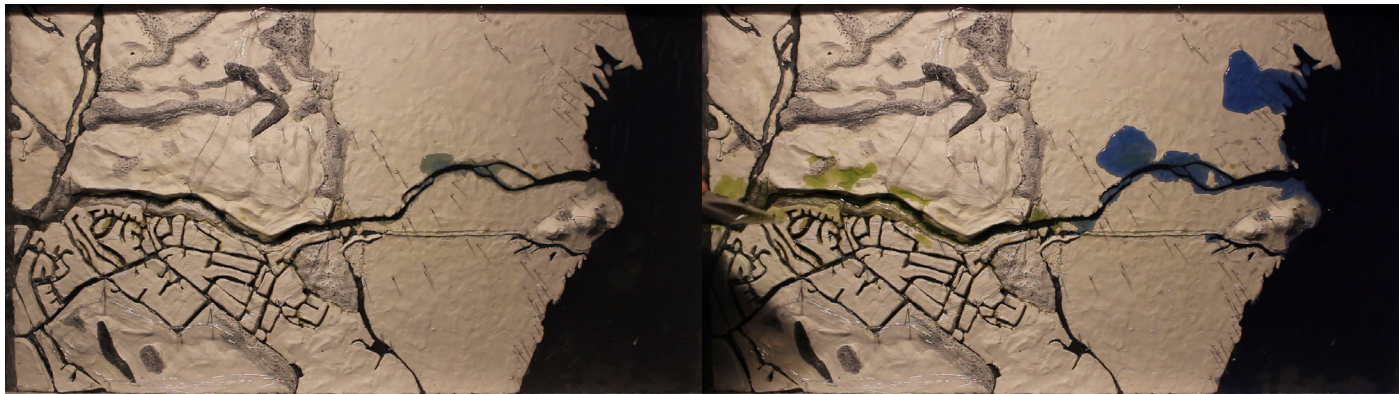


All layers overlayed on photoshop, creating a timelapse.



The outline of how the land has moved in each stillshot.

The layer of hydrology and climate of Cramond



First stillshot: The water from River Almond (green) is running down toward Cramond Island, the water from Firth of Forth (blue) hasn't reached the mudflats.

Second stillshot: The water from Firth of Forth is blending with River Almond at the opening near the dunes.



Third stillshot: The tide is moving in after the island.

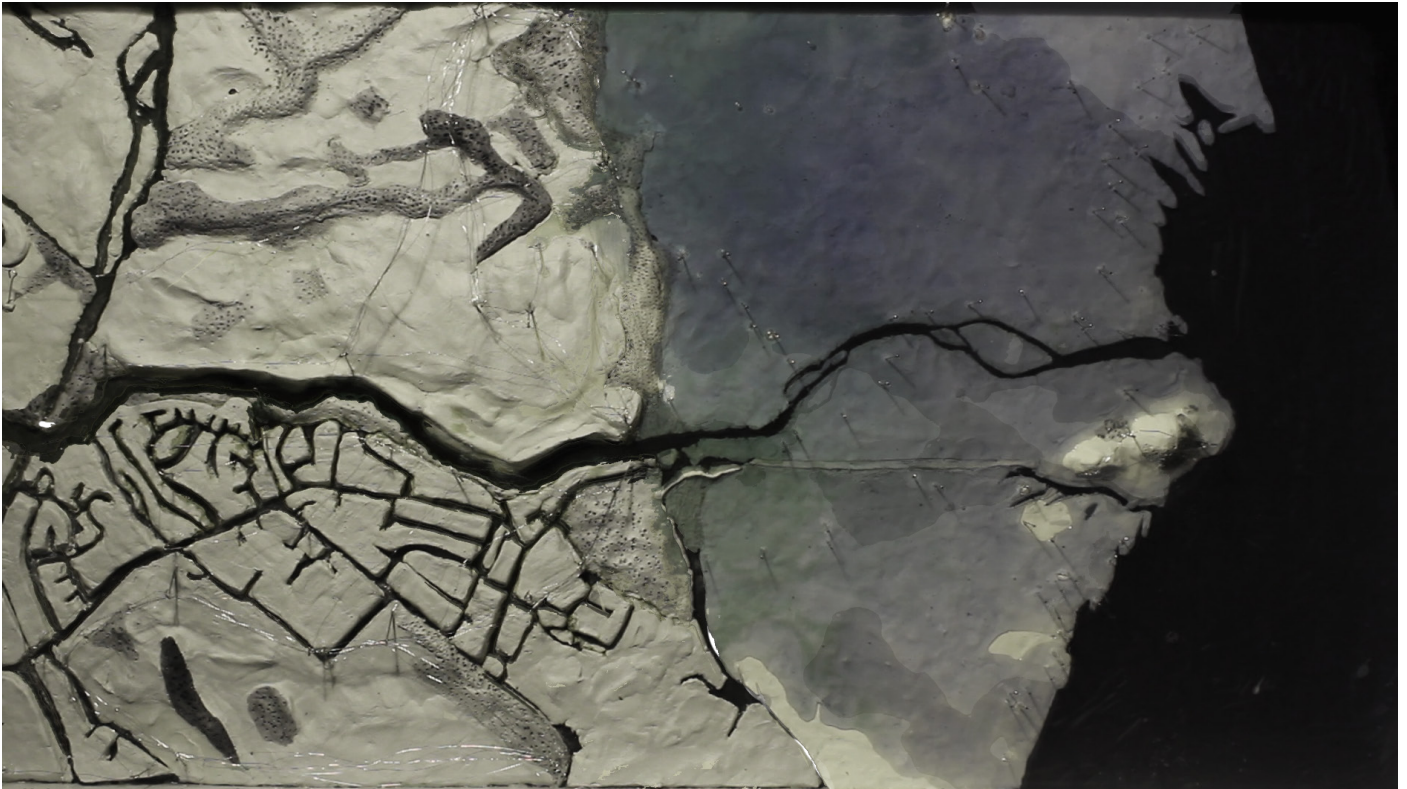
Fourth stillshot: Now both mudflats beside Cramond Island have water covering. The River Almond water blends slightly with it.



Fifth stillshot: Precipitation creates a second flow of water pouring toward the mudflats, the roads work like canals. The water of the Forth and River Almond are blending on the mudflats.

Sixth stillshot: There is less difference in colour now, when the tide is high. This shows that the different water types are more blended.

EACH HYDROLOGY AND CLIMATE LAYER IS EQUIVALENT TO 1 HOUR

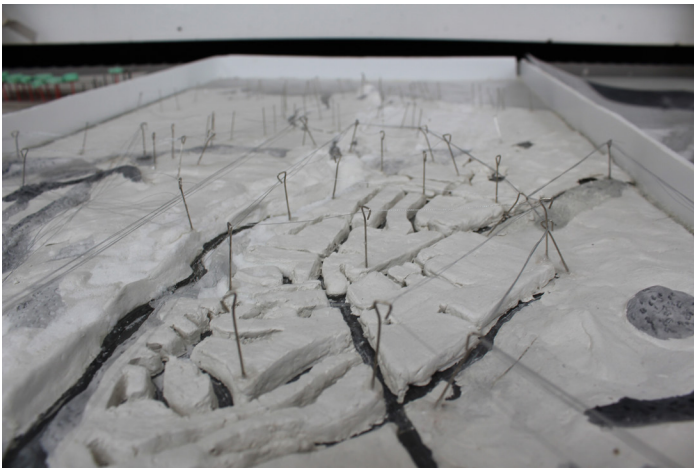


All layers overlayed on photoshop creating a timelapse, the darker areas are those covered in water most of the time.



The outline of where the tide, river almond and rain was at the stillshots.

The layer of landuse of Cramond



EACH LINE/THREAD OF THE LANDUSE LAYER EQUALS 10 YEARS

