

# Managing Flood Risk in Portreath – Project Update January 2025



**Aim :**

**Increase channel capacity in Portreath**

**Target :**

**Spring 2027**

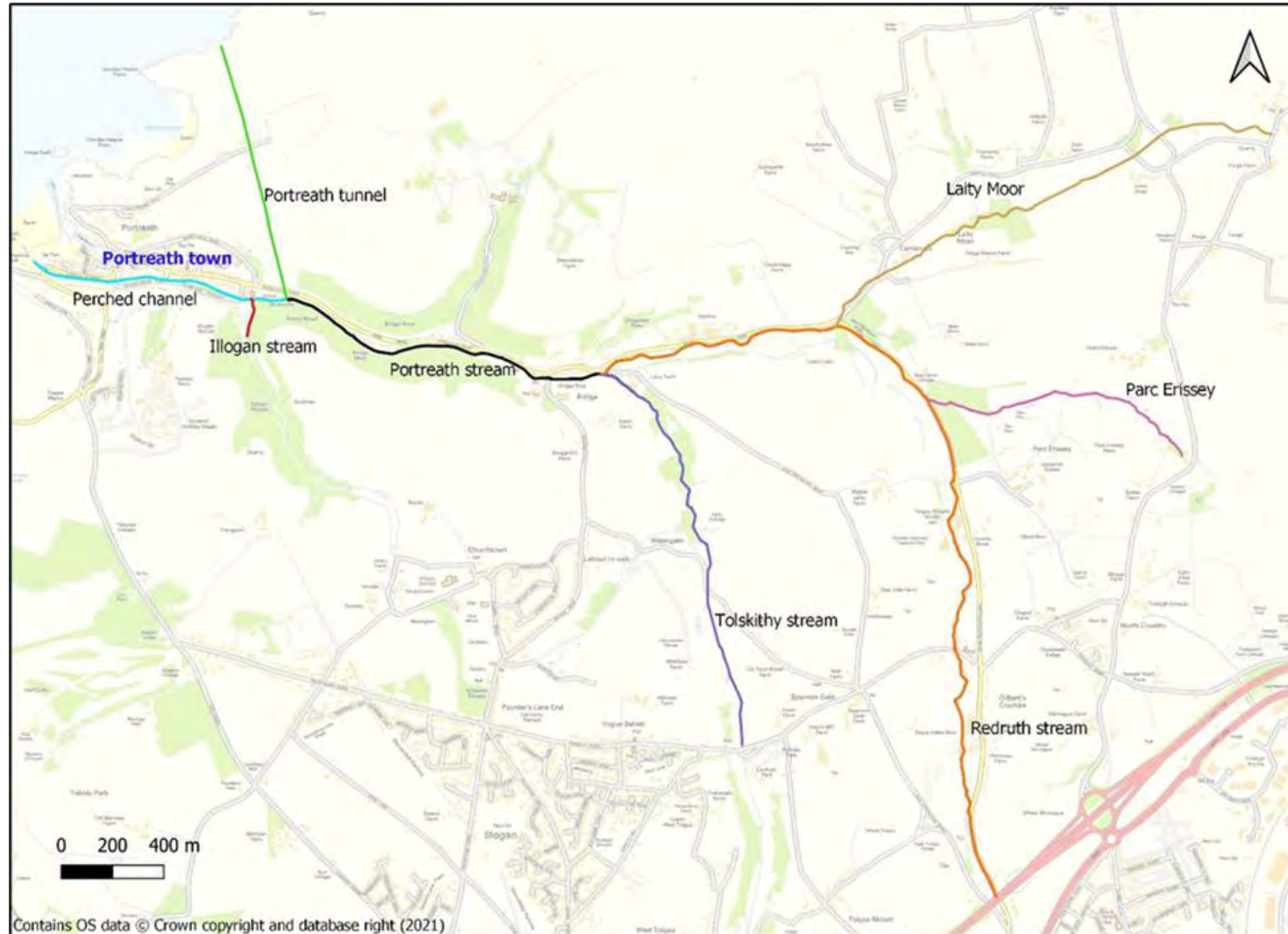
**Simon Jeffery**

**Flood & Coastal Risk Management**

**Gregg Kerry**

**Asset Management**

# Portreath Stream





# Current Situation



**Natural channel  
Upstream**

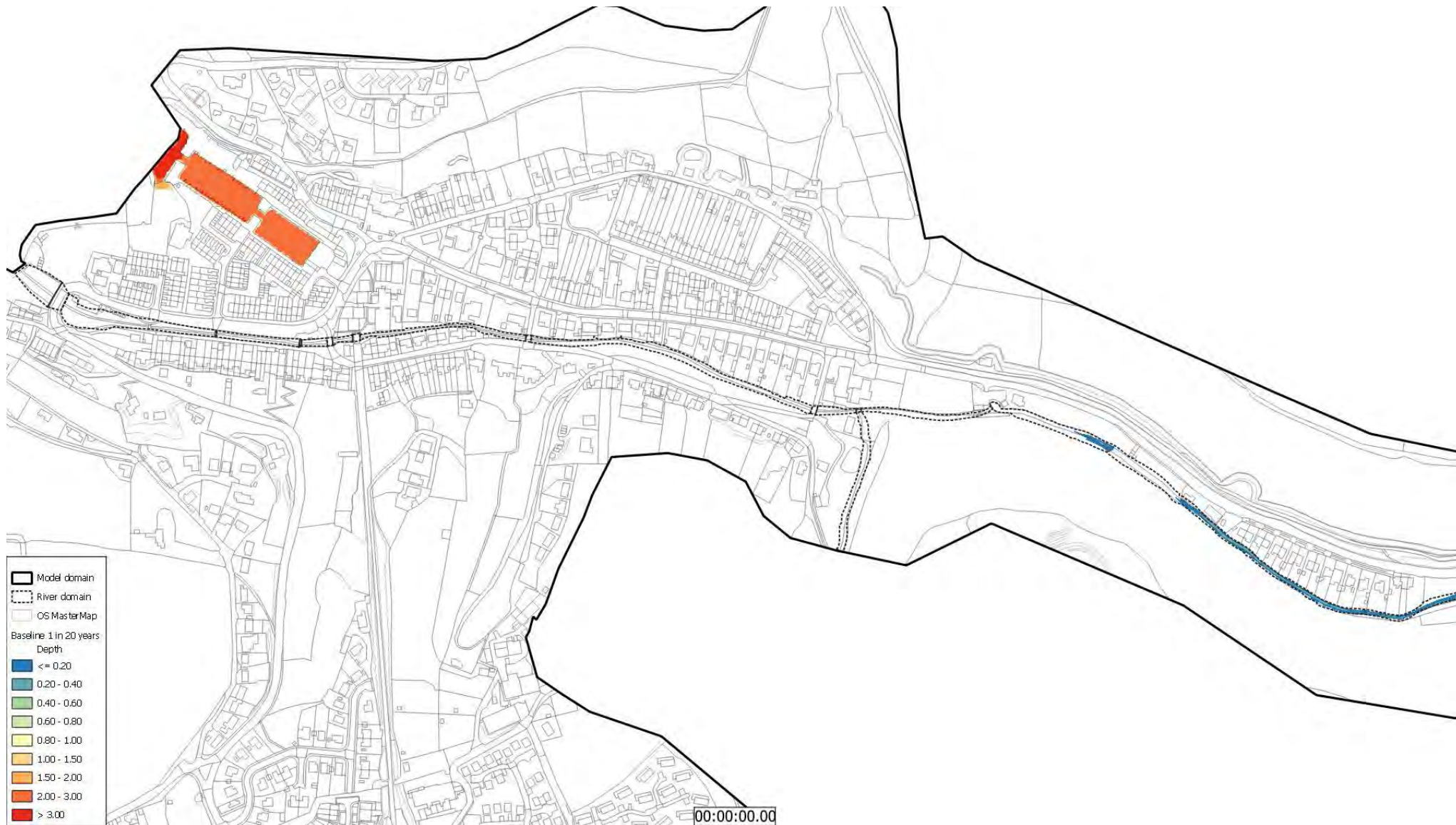


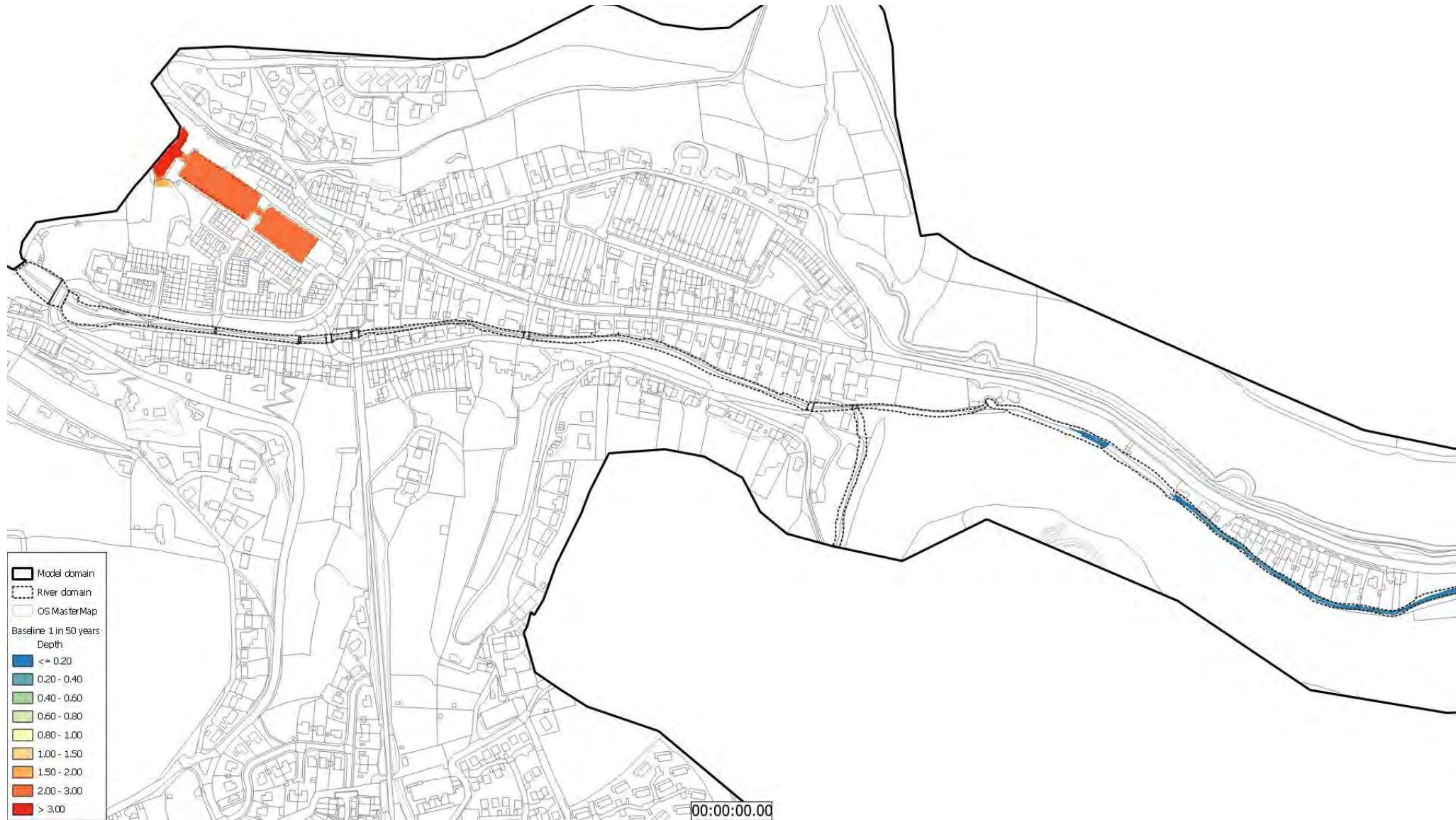
**Perched channel  
through  
Portreath**













# Perched Channel (Mill Leat)







PORTREATH GOOD FRIDAY 1905







**To protect Portreath flow from the  
Catchment upstream is diverted  
through a 1km tunnel to the sea.**





# Constructed in 1931, the tunnel has regular inspection.





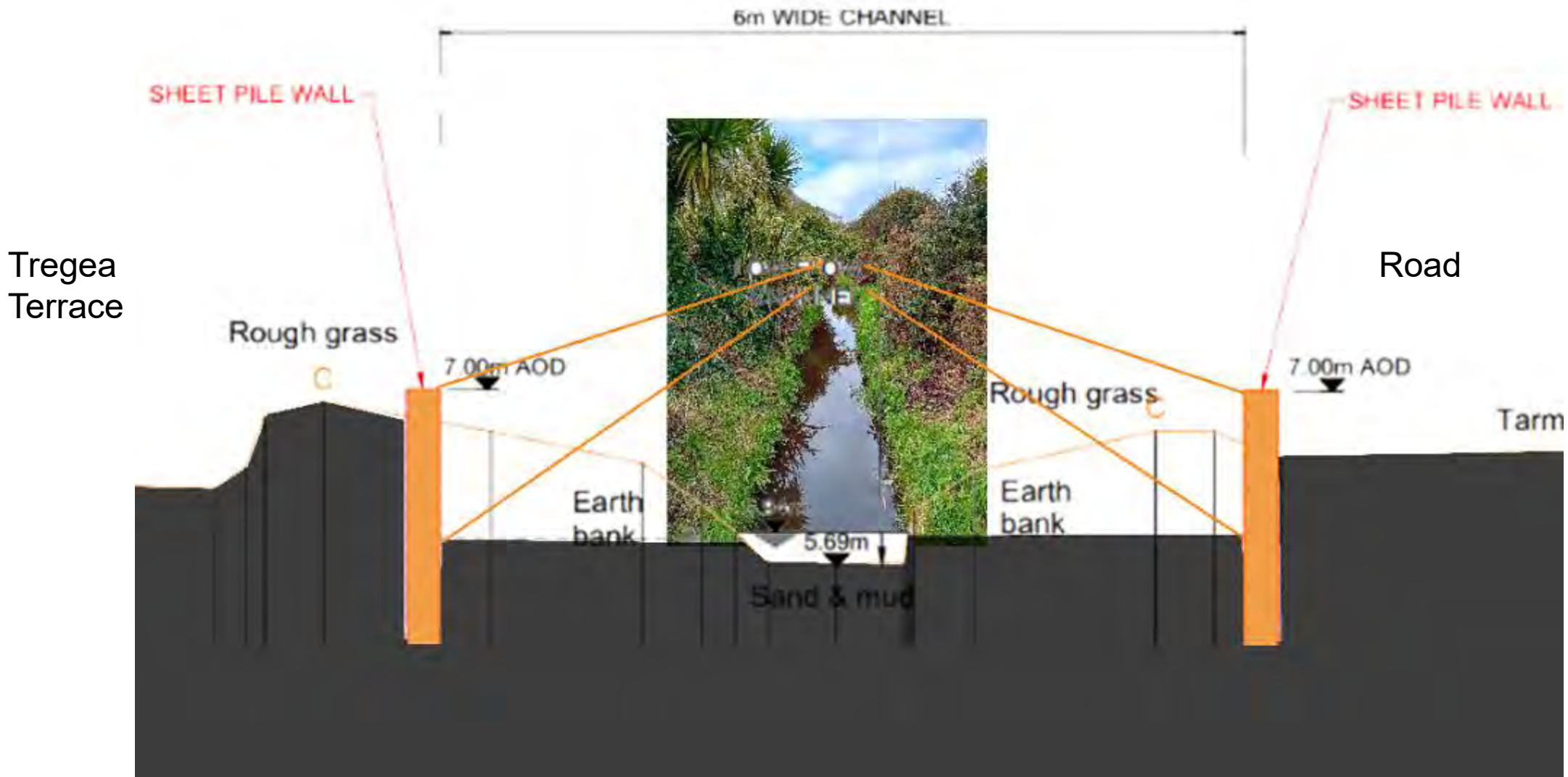
**Reinstating the channel allows for future capital maintenance of the tunnel.**













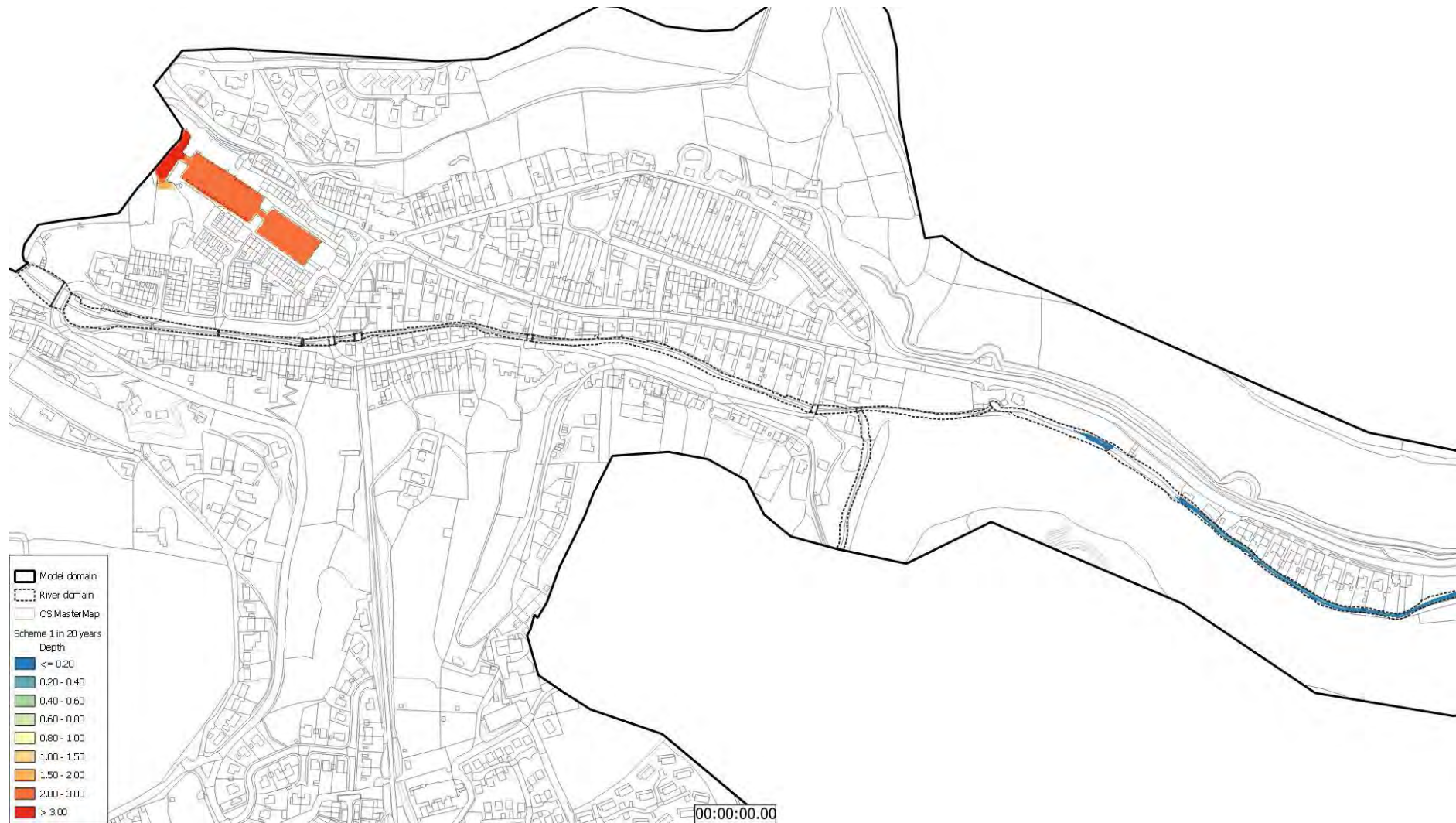
Slope stability

3.5m WIDE CHANNEL

Private property









# Key Dates and Activities

- Investment decision August 2025
- Ground investigation (2<sup>nd</sup> round in Jan/Feb)
- Compound and access for buildability
- Cornwall Council – Partnership
- Heritage visual assessment
- DfE – Educational Engagement with School
- Buildability Assessments
- ESAP – Site Appraisal Plan
- Ecology Risk and Phase 1 Survey
- Environment Design Concept Report
- Heritage Appraisal
- Phase 1 habitat survey
- Indicative Landscape Plan
- Preliminary WFD Assessment
- Preliminary Environmental Information Report
- Heritage Desk Based Assessment
- Indicative Landscape plan
- Geomorphological Survey
- Bat activity and Roost surveys
- Dormice surveys

- Topographic Surveys



# Outstanding Challenges

- Time scales are challenging
- Funding security
- The Mill Leat hasn't conveyed significant flows for 90 years
- Impacts on the Environment working with SSSI and World Heritage
- Buildability
- Existing properties
- Structural stability