

Project Data Sheet

PROJECT

Redruth SFRA Phase 2

CLIENT



- Sewerage
- Rivers
- Coastal
- SUDS
- Land Drainage
- Hydraulic Modelling
- Flood Risk Assessments
- Drainage Area Planning
- Asset Management
- Flood Alleviation
- Flooding Investigations
- Feasibility Study
- Drainage Design
- Environmental Aspects
- Inundation Modelling
- Surface Water Management

CPR Regeneration was set up in 2002 to bring prosperity back to Camborne, Pool and Redruth in Cornwall. One of the projects set up by CPR Regeneration was the Redruth Action Plan Project (RAPP). As a result of the SFRA, a study was undertaken to establish whether the flood risk could be reduced within the Brewery Quarter of Redruth to allow development in the area.

Richard Allitt Associates acted as sub-consultants to Royal Haskoning to establish whether the flooding could be reduced and to identify a potential method for flood alleviation for Redruth's Brewery Quarter. RAA's principal role was the modelling of the urban drainage systems and their interaction with the mine water drainage. The modelling also included surface water runoff and fluvial flows. The modelling was undertaken using InfoWorks ICM which allows the sewers, culverts and open channels to be modelled and fully integrated with the 2D overland flows.



The concept assessed the hydraulic capacity that would be required to convey the overland flows through the development site and then attenuated them to be released without increasing the flood risk downstream of the site.

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