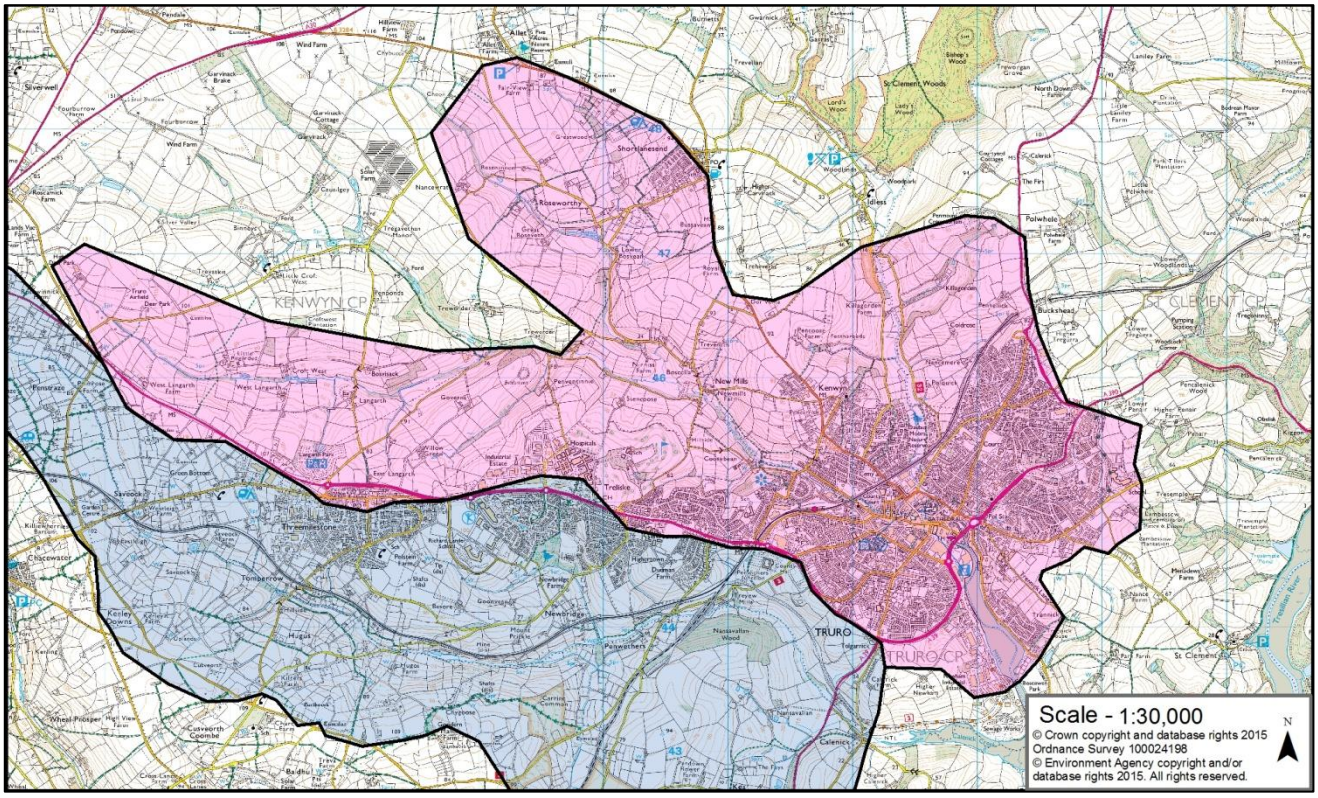
Critical Drainage Area (CDA)

Cornwall – Truro – Kenwyn, Allen and Tregolls Road

May 2015



= Area covered by Truro – Kenwyn, Allen and Tregolls Road CDA

Catchment Drainage / Flooding Issues

Cornwall Council's Local Flood Risk Management Strategy identifies Truro as a Priority Community. Truro has been identified as having potential for significant growth, which if not appropriately controlled could increase the frequency of flooding in the city centre from the Kenwyn and Allen catchments, impacting existing properties and transport links. There is a history of flooding at the Tregolls Road culvert, with a large proportion of this catchment being developed it is important to ensure that surface water discharges to this watercourse are not increased.

In addition to controlling run-off from development there is the need for offsite infrastructure changes. Detailed actions to address the flood risks will be developed in partnership with Cornwall Council through the Strategy. Until this is finalised this drainage advice should be followed.

In this catchment SuDS design should include features to manage water quality to protect the interest features of the River Fal Special Area of Conservation and Shellfishery.

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Minimum Drainage Standards Required

All new developments will have to play their part in reducing current rainfall runoff rates. This requirement also applies to brownfield sites that will have to match the same standards. The surface water drainage hierarchy should be followed by using infiltration as far as is practicable. Further guidance on such systems can be found in the CIRIA SuDS Manual and in Lead Local Flood Authority guidance.

All off-site surface water discharges from developments should mimic greenfield performance up to a maximum 1 in 10 year discharge rate. On site all surface water should be safely managed up to the 1 in 100 plus climate change conditions. This will require additional water storage areas to be created thereby contributing to a reduction in flooding downstream.