

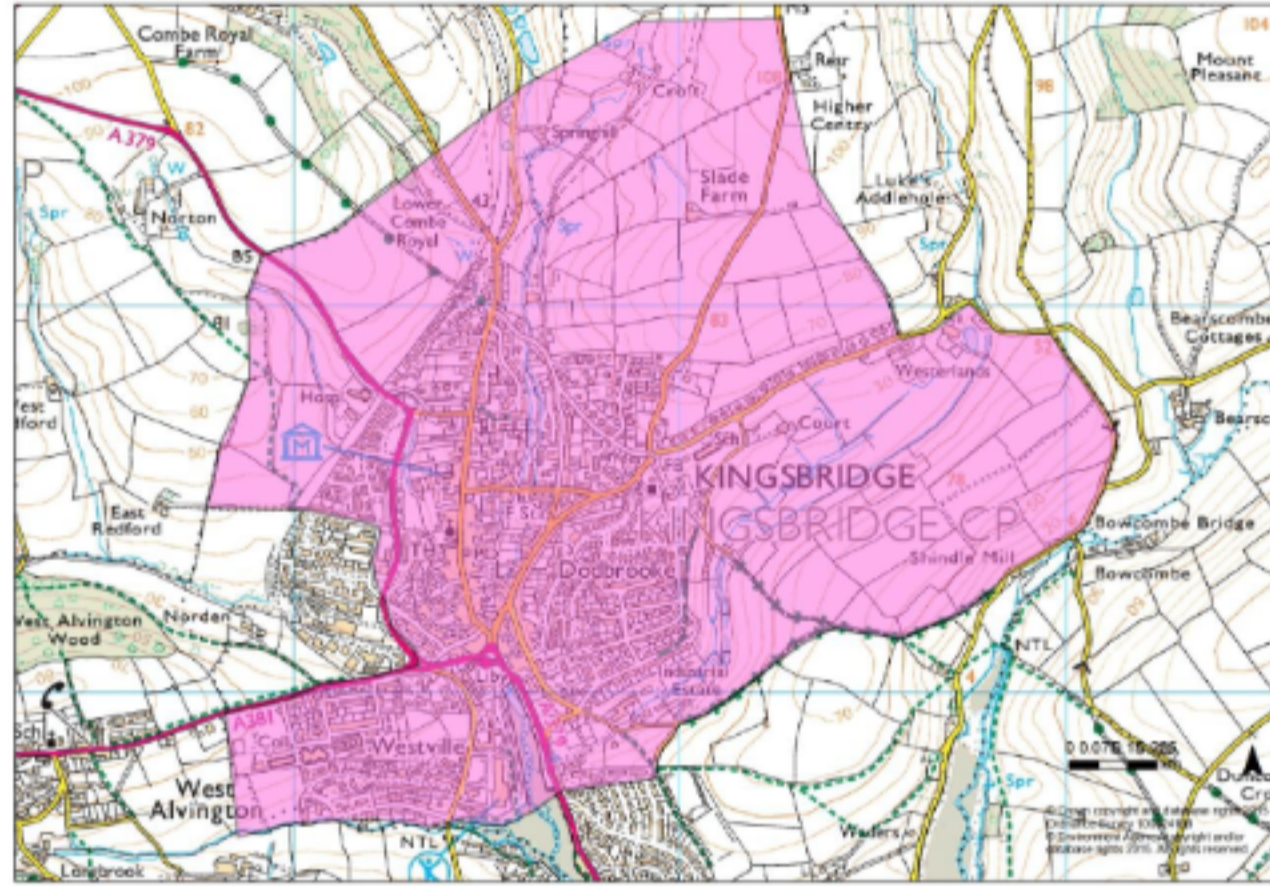
UNCLASSIFIED



Critical Drainage Area (CDA)

South Hams District Council - Kingsbridge

May 2015



Catchment Drainage/Flooding Issues

Run-off from the catchments in Kingsbridge causes flooding from Main River, ordinary watercourses and surface water often in combination with high tide levels. Each watercourse has particular issues. The drainage system has been historically altered and does not currently perform well in storm events. We are also aware of some sewer flooding during periods of heavy rainfall.

The watercourses are unlikely to attract the funding needed for significant improvements. Given that current rainfall runoff rates and tide levels already cause problems and climate change will increase the frequency of flooding further, alternative measures need to be applied.

Development is currently allocated for Kingsbridge. The catchment has development pressure from new housing and commercial developments.

Minimum Drainage Standards Required

All new development will have to play their part in reducing current rainfall runoff rates. This requirement also applies to brown field sites that will have to match the same standards. The SuDS 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 LLFA guidance.

All off-site surface water discharges from development 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+climate change" conditions. This will require additional water storage areas to be created thereby contributing to a reduction in flooding downstream.