Critical Drainage Areas in Hackney

Hackney has nine CDA as defined in our Surface Water Management Plan (SWMP). These are areas identified to be especially affected by various sources of flooding. Though it should be noted that flooding in the Borough are not limited to these CDAs and can happen anywhere, especially with surface water flooding where the flow of water can be unpredictable. The nine CDAs are shown in this MAP and figure below.

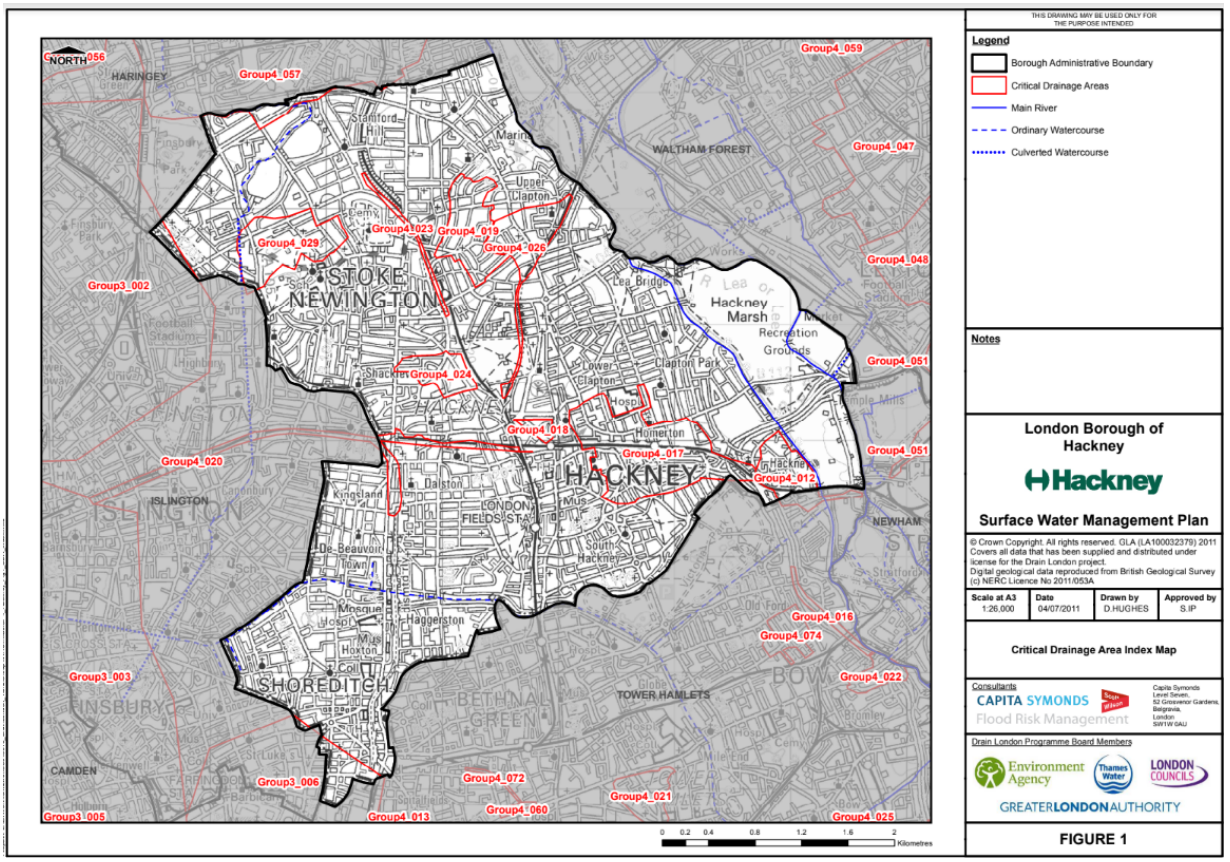

FIGURE 1

CDA Ref.	Site location and description
Group4_012	**Berkshire Road/Wallis Road/White Post Lane, Hackney Wick** Surface water is observed to pond at the low points within this CDA generally concentrated around Berkshire Road and White Post Lane. There are a number of Council managed properties and the Council are already proposing a series of flood resilience measures to properties to manage risk. The southern part of this CDA extends in the LB of Tower Hamlets. There are isolated areas of significant risk, mainly confined to Berkshire Road and White Post Lane, within the roads. The hazard from surface water flooding during the 1 in 100 year event in this area is generally moderate, meaning the water is either deep or fast flowing.

Group4_017	**Wick Road, Homerton** The area generally slopes from the north in a south- easterly direction. Wick Road is noticeably lower than surrounding ground levels. Two LFRZs have been identified: One along Wick road extending to the intersection with the A12, the other at the A106 underpass beneath the railway track.
Group4_018	**Dalston Lane, Hackney** Surface water is observed to pond at the low point within this CDA, at the rear of properties along Amhurst Road. The flooding appears to be confined to back gardens and parking facilities however there are a number of properties containing basements in the area which may be at risk of surface water flooding.
Group4_019	**Northwold Road, Upper Clapton** Surface water flows southwards along Fountayne Road and ponds at the low point on Northwold Road, and between Norcott road and Alconbury Road. There are a number of basement properties in the CDA which are shown to flood posing a moderate to significant hazard with a row of buildings between Kyverdale Road and Fountayne Road shown to experience a moderate hazard.
Group4_020	**Railway tracks between Dalston Kingsland and Hackney Central London Overground Station** The railway line is in a cutting at this location, with water ponding at low points on the tracks. All water is retained on the railway corridor and it appears that there is a relatively low likelihood of runoff from the surrounding higher ground entering the cutting in most locations. The western extent of this CDA is located within the LB of Islington.
Group4_023	**Stoke Newington Station to Rectory Road Station, Stoke Newington** Surface water is observed to flow in a southerly direction along the railway corridor. In general, overland flow from surrounding higher ground is prevented from entering the railway cutting due to steep slopes on either side. Some water however, is observed to flow in from the east.
Group4_024	**Downs Estate, Amhurst Road, Hackney Downs** The properties on Amhurst Road are a localised low point with the CDA. The estate is bound by higher ground to the west along Amhurst Road, and the railway embankment to the east. The hazard as a result of is surface water flooding is significant in the area immediately adjacent to the railway embankment.
Group4_026	**Clapton Station, Upper Clapton**

	Surface water is observed to flow from higher ground in the north-west into the railway cutting. Water is observed to pond around Clapton Station, north of where the tracks enter a tunnel beneath Brooke Road. Flood waters are also observed to pond in the cutting between Kenninghall Road and Downs Road.
Group4_029	**Lordship Road, Stoke Newington** The topography of this CDA Surface water is observed to flow in a north and southerly direction towards the centre of this CDA with ponding water observed in Clissold Park and along Grazebrook Road. A number of residential properties are at risk of surface water flooding on Lordship Road and Grazebrook Road, as well as the Grazebrook Primary School. The residential properties are at greater risk of worse surface water flooding than the roads due the gradient of the road camber and the properties in the area containing basements.