



Legend

- Main Rivers
- Ordinary Watercourses
- Critical Drainage Areas
- Contributing Natural Catchments

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SUNDERLAND CITY COUNCIL

LEVEL 1 STRATEGIC FLOOD RISK ASSESSMENT

SET C - PROPOSED CRITICAL DRAINAGE AREAS

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User Notes

CDAs have been defined using information collected from the Environment Agency (EA), Northumbrian Water (NWL), Sunderland City Council and all historical flood incidents.

CDAs have been proposed in Sunderland by identifying NWL Drainage Areas at risk, their contributing natural catchments and those areas highly susceptible to surface water flooding.

Within CDAs, an increase in the rate of surface water runoff and/or volume from a new development may exacerbate the degree of flood risk downstream or to the surrounding community. In these areas, a detailed FRA would be expected for those developments greater than 0.5ha regardless of which Flood Zone that applies.

The FRA should demonstrate that the development will not adversely affect existing flooding conditions in these critical areas by increasing the rate of surface runoff and should define and address the constraints that will govern the design of the drainage system and layout of the development site. Developers should look to reduce or control runoff to Greenfield rates. The use of appropriate mitigation measures should be investigated. Ideally, Sunderland City Council should work closely with the EA, NWL and individual developers to ensure surface water runoff is controlled as near to the source as possible which will include the application of SUDs.

These CDAs are also used to identify the need for FRAs, drainage impact assessments and high level SWMP recommendations.