

Surface Water Flood Risk Assessment (FRA)

Property: 15 Malibre Road, Chandlers Ford, Eastleigh, SO53 5DS Date: 11 September 2025

Prepared by: Luke Richards

1. Introduction This assessment supports a householder planning application for a single-storey rear extension at the above property. Its purpose is to demonstrate that the proposed development will not increase the risk of surface water flooding to the property or surrounding area.
2. Site Description
 - The property is a detached house situated on a 991 m² site.
 - The site slopes gently down towards Malibre Road, allowing natural surface water runoff away from the house.
 - Soil Type: Clay loamy (BGS Soil Map PDF: https://mapapps2.bgs.ac.uk/ukso_layers_webservice/Service.aspx/GeneratePDF), which has moderate infiltration characteristics.
 - Front Drive: The driveway is porous gravel, designed to allow infiltration and prevent water from entering Malibre Road.
3. Flood Risk Assessment
 - Surface Water Flood Risk: According to the Environment Agency Surface Water Flood Map (link: <https://flood-map-for-planning.service.gov.uk/map?lyr=fsa,fd,mainr&seg=sw,hr&cz=444888.2,121972.1,17.214564>), the property is located in Flood Zone 1, representing the lowest risk for surface water flooding.
 - River / Main Flood Risk: The site is not within a designated floodplain of any main river.
 - Historical Flooding: There are no known records of flooding at this location.
4. Proposed Development
 - The proposal involves a single-storey rear extension of 9 m², representing a 4% increase in the home's overall floor area.
 - The extension will not significantly increase impermeable surfaces on the site.
5. Surface Water Management / Mitigation To ensure surface water runoff is managed appropriately:
6. Runoff Management: Rainwater from the new extension roof will be directed to the existing drainage system and/or permeable areas of the garden.
7. Front Drive: The porous gravel driveway ensures that surface water infiltrates into the ground and prevents any runoff onto Malibre Road.
8. Sustainable Drainage: Any new hard surfaces will use permeable materials where practical.

9. Site Levels: Ground levels will continue to direct runoff naturally towards Malibre Road, ensuring no water is diverted onto neighboring properties.
10. Conclusion The property is located in a low-risk surface water flood zone, and the minor single-storey rear extension will not materially increase flood risk. Appropriate mitigation measures, including the porous driveway, will ensure surface water runoff is safely managed. The proposed development is therefore considered to have a negligible risk of surface water flooding.

Prepared by: Luke Richards 11 September 2025