

## Water Quality Assessment

The development site is a residential development for 35 units and onsite access road, as such classified as Low Hazard (CIRIA C753 Table 26.2).

A suitable SuDs management train is proposed for the drained area (permeable paving, conveyance swales and infiltration basins), as such, the mitigation index is higher than the pollution hazard index as demonstrated in the table below.

Land use	Pollution hazard Level	Total suspended solids (TSS)	Metals	Hydrocarbons
Residential Roofs	Very Low	0.2	0.2	0.05
Residential Driveways	Low	0.5	0.4	0.4
Residential access road	Low	0.5	0.4	0.4

Type of SuDs Component	Total suspended solids (TSS)	Metals	Hydrocarbons
Permeable Pavement	0.7	0.6	0.7
Swale	0.5	0.6	0.6
Detention Basin	0.5	0.5	0.6
Total SuDs mitigation index	0.75	0.85	0.9