

IoH 124

Whole site area = 98019 m²
 Northern area = 54178 m²
 Southern area = 32427 m²
 Access road (on-site) = 2931 m²
 Access Road (Off-Site) = 8483 m²

$$QBAR_{\text{rural}} = 0.00108 \text{ AREA}^{0.89} \text{ SAAR}^{1.17} \text{ SOIL}^{2.17}$$

Area (m2) 98019
 AREA (km²) = 0.098
 Area (ha) 9.802

500000
 0.50
 50.000 ha from SUDS ICOP

SAAR = 1225 from FEH catchment descriptors

SOIL = 0.3 from FSR Soil map (Soil Class 2 = 0.3)

QBAR for 50 Ha = 0.175 m³/s

Return Periods	Growth factors for Region 8a		ICOP (ha) 50	Site (ha) 9.802	or	l/s/ha	North area 5.418	South area 3.243	access road (on-Site) 0.293
Mean Annual Flood (MAF)	1.00	=	175.4	34.4	l/s	3.5	19.0	11.4	1.0
2 yr	0.88	=	154.3	30.3	l/s	3.1	16.7	10.0	0.9
5 yr	1.28	=	224.5	44.0	l/s	4.5	24.3	14.6	1.3
10 yr	1.58	=	277.1	54.3	l/s	5.5	30.0	18.0	1.6
25 yr	2.03	=	356.0	69.8	l/s	7.1	38.6	23.1	2.1
30 yr	2.14	=	375.3	73.6	l/s	7.5	40.7	24.3	2.2
50 yr	2.45	=	429.7	84.2	l/s	8.6	46.6	27.9	2.5
100 yr	2.93	=	513.9	100.7	l/s	10.3	55.7	33.3	3.0
Climate Change	100yr+ 30%	=	668.0	131.0	l/s	13.4	72.4	43.3	3.9