39141   New Mill Road, Holmfirth

Calculation sheet | 1 |
IOH124 greenfield runoff rate

Parameters taken from the Wallingford maps & SUDS Manual

Rural Mean Annual Flood

QBAR rural = (0.583 *SAAR^1.17 * SOIL ^2.17) * ((0.001 * AREA)/50)

AREA =	**0.24** ha		SOIL 1 = 0.10
			SOIL 2 = 0.30
SAAR =	**1100** mm		SOIL 3 = 0.37
			SOIL 4 = 0.47
SOIL =	**0.53**		SOIL 5 = 0.53

$Qbar_{rural}$ =   0.003 m3/sec

=   10.637 l/sec/ha

Area =   **3**   *From Ciria C697 "SUDS Manual", Fig 4.2*

	Factor	Flow l/sec/ha
1 year	0.81	8.62
30 year	1.74	18.51
100 year	2.08	22.12