

Appendix H – MicroDrainage 2016 – ICP SUDS Calculation for Pre Development: 0.243 ha Impermeable Area

Rural Runoff Calculator

Micro Drainage

### ICP SUDS

**ICP SUDS Input (FSR Method)**

Return Period (Years)

Area (ha)

SAAR (mm)

Soil

Growth Curve

**Partly Urbanised Catchment (QBAR)**

Urban

Region

**Results**

QBAR rural (l/s)

QBAR urban (l/s)

### Return Period Flood

Region	QBAR (l/s)	Q (100yrs) (l/s)	Q (1 yrs) (l/s)	Q (30 yrs) (l/s)	Q (100 yrs) (l/s)
Region 1	1.4	3.4	1.2	2.6	
Region 2	1.4	3.6	1.2	2.6	
Region 3	1.4	2.9	1.2	2.4	
Region 4	1.4	3.6	1.1	2.7	
Region 5	1.4	4.9	1.2	3.3	
Region 6/Region 7	1.4	4.4	1.2	3.1	
Region 8	1.4	3.3	1.1	2.6	
Region 9	1.4	3.0	1.2	2.4	

Greenfield Volume

OK Cancel Help

Enter Return Period between 1 and 1000

Appendix H – MicroDrainage 2016 – ICP SUDS Calculation for Pre Development: 0.422 ha Impermeable Area

Rural Runoff Calculator

Micro Drainage

### ICP SUDS

ICP SUDS Input (FSR Method)

Return Period (Years)

Area (ha)

SAAR (mm)

Soil

Growth Curve

Partly Urbanised Catchment (QBAR)

Urban

Region

### Results

QBAR rural (l/s)

QBAR urban (l/s)

### Return Period Flood

Region	QBAR (l/s)	Q (100yrs) (l/s)	Q (1 yrs) (l/s)	Q (30 yrs) (l/s)	Q (100 yrs) (l/s)
Region 1	2.4	6.0	2.0	4.5	
Region 2	2.4	6.3	2.1	4.6	
Region 3	2.4	5.0	2.1	4.2	
Region 4	2.4	6.2	2.0	4.7	
Region 5	2.4	8.5	2.1	5.8	
Region 6/Region 7	2.4	7.7	2.0	5.4	
Region 8	2.4	5.8	1.9	4.6	
Region 9	2.4	5.2	2.1	4.2	

Greenfield Volume

OK Cancel Help

Enter Return Period between 1 and 1000