

Figure 13.12

Table C.1 - Matrix to Determine Risk of Pollution to Groundwater from Routine Runoff

Component Number (see text)	Weighting Factor (See text)	Property or Parameter	Low Risk (Score 1)	Medium Risk (Score 2)	High Risk (Score 3)	Component Score
1	15	Traffic Density	<15,000 AADT	15,000 - 50,000 AADT	>50,000 AADT	15
2	15	Rainfall Volume (Annual Averages)	<740mm Rainfall	740 - 1060mm	>1060m Rainfall	30
		Rainfall Intensity	Even (<35 FEH 1 Hour Rainfall)	Uneven ( 35-47mm FEH 1 Hour Rainfall)	Concentrated (>47mm FEH 1 Hour Rainfall)	
3	15	Soakaway Geometry	Continuous Linear (e.g. ditch, grassed channel)	Single Point, or Shallow Soakaway (e.g. Lagoon) serving Low Area Road	Single Point, Deep Serving High Road Area (>5,000m <sup>2</sup> )	15
4	20	Unsaturated Zone	Depth to Water Table >15m and Non-Aquifers	Depth to Water Table <15>5m	Depth to Water Table <5m	40
5	20	Flow Type	Unconsolidated or Non-Fractured Deposits (i.e. Dominantly Intergranular Flow)	Consolidated Mixed Fracture and Intergranular Flow)	Heavily Consolidated Sedimentary Deposits, Igneous and Metamorphic rocks (Dominated by Fracture Porosity)	40
			Fine Sand and Below	<5% - >1% Clay Minerals	Very Coarse Sand and Above	
6	7.5	Effective Grain Size	>15% Clay Minerals	<5% - >1% Clay Minerals	<1% Clay Minerals	22.5
7	7.5	Lithology	>15% Clay Minerals	<5% - >1% Clay Minerals	<1% Clay Minerals	15
<b>Pathway</b>						<b>177.5</b>

AADT = Annual Average Daily Traffic (Two Way)

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