

APPENDIX 5. CRITERIA USED FOR ESTABLISHING RECHARGE VALUES

Characteristics of Very High Recharge Areas	
permeability of profile:	> 1000 mm/day
Characteristics of High Recharge Areas	
Soil depth:	< 25 cm
and/or outcropping bed-rock:	> 10%
and/or permeability of profile:	200 - 1000 mm/day
and/or clay content of clayiest layer:	< 25%
and/or side slopes	> 25%
and/or soil type	Uniform soils: uniform sands, loamy sands, uniform loams, sandy silt loams, loams (Uc, Um, Gc) Duplex soils: red and whole coloured A2 present but not bleached high Fe ₂ O ₃ and/or CaCO ₃ content throughout B horizon
Characteristics of Moderate Recharge Areas	
Soil depth:	25 - 100 cm
and/or outcropping bed-rock:	1 - 10%
and/or profile permeability:	50 - 200 mm/day
and/or clay content of clayiest layer:	> 25 - 35%
and/or soil type:	Gradational Duplex acid, whole coloured, A2 may be present and sporadically bleached
Characteristics of Low-Nil Recharge Areas	
Soil depth:	> 100 cm
and/or Outcropping bed-rock:	= 0
and/or Profile permeability:	< 50 mm/day
and/or clay content of clayiest layer:	> 35%
and/or soil type:	Uniform clays (Uf) Uniform cracking clays (Ug) Duplex soils with conspicuously bleached A2, mottled B horizons and/or gleying characteristics.

Note: The characteristics and range of values listed above are only a guide for establishing the potential recharge values of an area to the groundwater table. Not all the characteristics are likely to be present at any one site.