APPENDIX E. 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 mm/day
and/or clay content of clayiest layer:	< 25%
and/or soil type:	uniform sands, loamy sands, uniform loams, sandy silt loams, loams (Uc, Um, Gc)
and/or Duplex soils:	red and whole coloured A_2 present but not bleached high Fe_20_3 and/or Ca $C0_3$ content throughout B horizon
side slopes:	> 25%

Characteristics of Moderate Recharge Areas

soil depth:	25 - 100 cm
outcropping bed-rock:	1 - 10%
profile permeability:	50 - 200 mm/day
clay content of clayiest layer:	> 25-35%
Soil type:	Gradational Duplex acid, whole coloured Duplex, A_2 may be present and sporadically bleached

Characteristics of Low-Nil Recharge Areas

soil depth:	> 100 cm
outcropping bed-rock:	= 0
profile permeability:	< 50 mm/day
clay content of clayiest layer:	> 35%
soil type:	Uniform clays (Uf) Uniform cracking clays (Ug) Duplex soils with conspicuously bleached A_2, mottled B horizons and/or gleying characteristics.