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 - 1000 mm/day
and/or clay content of clayiest layer:	< 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_2O_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, A2 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 A2,
	mottled B horizons and/or gleying characteristics.