

LAND CAPABILITY ASSESSMENT FOR ONSITE DOMESTIC WASTEWATER MANAGEMENT

EXAMPLE ONLY OF SUMMARY OF ASPECTS TO BE CONSIDERED

Example: LCA Assessment Table for Wastewater Management on Rural Residential Subdivisions.

Land features		Land Capability Class Rating				
		Very good (1)	Good (2)	Fair (3)	Poor (4)	Very poor (5)
General Characteristics						
Site drainage/runoff		Very slow	Slow	Moderate	Rapid	Very Rapid
Flood/inundation potential (yearly return exceedance)		Never		<1 in 100	<1 in 20	>1 in 20
Slope (%)		0 - 2	2 - 8	8 - 12	12 - 20	>20
Landslip					-	Present or past failure
Seasonal watertable depth (m) (incl perched watertables)		>5	5-2.5	2.5-2.0	2.0-1.5	<1.5
Rainfall (mm/yr)		<450	450-650	650-750	750-1000	>1000
Pan Evaporation (mm/yr)		>1500	1250- 1500	1000- 1250	-	<1000
Soil profile characteristics	Structure*	High	Moderate	Weak	Massive	Single Grained
	Profile depth	>2m	1.5m-2m	-	1.5m- 1.0m	<1m
	Sodicity* ESP%	<3	-	6 - 8	8 - 14	>14
	Percolation* <i>x see table next page.</i> (mm/hr)	50-75	20-50 75-150	15-20 150-300	- 300-500	<15 >500
	Stoniness (%)*	<10		10-20	-	>20
	Emerson test* (dispersion/slaking)	4,6,8	5	7	2,3	1
	Salinity* (dS/m)	<0.3	0.3-0.8	0.8-2	2-4	>4

* relevant to soil layer(s) associated with trench location.

Note: This table is an example only and does not include all relevant features that may relate to a specific site. Its use without site-specific information may result in rejection by the responsible authority.