

OWM Constraint – Risk Matrix					
	Lower	↔	Moderate	↔	Higher
Site Characteristics					
Lot Area (ha)	>10	5-10	2-5	0.4-2	<0.4
Aspect	North facing; high wind/sun exposure No shading	Minor shading	Open; restricted sun/wind exposure	Persistent shading	South facing; low sun/wind exposure Heavy shading
Climate	Annual Evap.> retained Rainfall <10 rainfall days >10mm		Annual retained rainfall > Evap. 10-40 rainfall days >10mm	Alpine Regions	>40 rainfall days >10mm Avg. annual rainfall >1,500mm
Flooding	Above 1% AEP flood level		1-5% AEP flood level		Below 5% AEP flood level
Proximity to Watercourse	>100m >300m (drinking supply)		60-100m <100m (drinking supply)		<60m (permanent) <40m (intermittent or drainage line)
Slope (%)	<5 <6 (SAS + SI) <10 (PC SSI)		5-15 6-10 (SAS + SI) 10-20 (PC SSI)		>15 >10 (SAS + SI) >20 (PC SSI)
Landform	Crests Outward draining and convex		Side slopes Linear		Drainage plains Inward draining and concave
Depth to Seasonal Water Table (m)	>5	2-5	1.2-2	0.9-1.2	<0.9
Rock and Outcrop (% of land surface)	Nil		10-20%		>50%
Vegetation Cover	Managed turf	Pasture	Cleared native / landscape areas	Disturbed Open forest	Dense native forest and understorey
Run-on and Seepage	Nil	Slope <2% No upslope water features	Slope <10% No upslope water features	Slope <15% Upslope water features	Slope >15% Upslope water features
Soil Drainage	Soils dry Roots to >0.9m	Soils damp Roots to >0.6m	Soil moisture present Roots to >0.3m	Shallow roots Subsoil seepage	Surface ponding Hydrophilic plants
Fill	No fill	Minor	Localised and Shallow	Widespread	Extensive or contaminated
Landslip Potential	Not evident		Low failure potential	High Failure potential	Existing or historic failure

Soil Characteristics					
Soil Profile Depth (free-draining soil)	>1.2m		0.9-1.2m		<0.9m
Soil Permeability Category	3 and 4	2		5	1 and 6
Structure	Strong	Moderate	Weak		Massive or Single Grained
Coarse Fragments (% volume)	<10	10-20	20-40	40-50	>50
Presence of Mottling	Nil	Few and small	Moderate	Many or large	Abundant and Extensive
Emerson Aggregate Class (dispersion/slaking)	7 and 8	4	3	2	1
Sodicity (ESP) (%)	<6		6-10		>15
Cation Exchange Capacity (cmol/kg)	>15		5-15		<5
pH	6-8		4.5-6		<4.5 or >8
Salinity (dS/m) (EC)	<4		4-8		>8