

OWM Constraint – Risk Matrix					
	Lower	↔	Moderate	↔	Higher
<b>Site Characteristics</b>					
<b>Lot Area (ha)</b>	>10	5-10	2-5	0.4-2	<0.4
<b>Aspect</b>	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
<b>Climate</b>	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
<b>Flooding</b>	Above 1% AEP flood level		1-5% AEP flood level		Below 5% AEP flood level
<b>Proximity to Watercourse</b>	>100m >300m (drinking supply)		60-100m <100m (drinking supply)		<60m (permanent) <40m (intermittent or drainage line)
<b>Slope (%)</b>	<5 <6 (SAS + SI) <10 (PC SSI)		5-15 6-10 (SAS + SI) 10-20 (PC SSI)		>15 >10 (SAS + SI) >20 (PC SSI)
<b>Landform</b>	Crests Outward draining and convex		Side slopes Linear		Drainage plains Inward draining and concave
<b>Depth to Seasonal Water Table (m)</b>	>5	2-5	1.2-2	0.9-1.2	<0.9
<b>Rock and Outcrop (% of land surface)</b>	Nil		10-20%		>50%
<b>Vegetation Cover</b>	Managed turf	Pasture	Cleared native / landscape areas	Disturbed Open forest	Dense native forest and understorey
<b>Run-on and Seepage</b>	Nil	Slope <2% No upslope water features	Slope <10% No upslope water features	Slope <15% Upslope water features	Slope >15% Upslope water features
<b>Soil Drainage</b>	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
<b>Fill</b>	No fill	Minor	Localised and Shallow	Widespread	Extensive or contaminated
<b>Landslip Potential</b>	Not evident		Low failure potential	High Failure potential	Existing or historic failure

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