

## APPENDIX 2 - WORKING TABLES FOR LAND CAPABILITY RATINGS

### 2.1 Farm Dams

Map Units	Osa	Osb	Osc	Osd	Ose	Osf	Osg	Dga	Dgb	Dgc	Dgd	Dge	Dgf	Dgg	Tsd1 Tsg1 Tsf1	Tsf2	Tfe1	Tff1	Tfe2	Tfc2	Qba	Qbc	Qbd	Qbr	Qbe	Qbf	Qbg	Qap	Qag	Qa1	Qa2	Qa3	Qa4	Qa5	
<b>PARAMETERS</b>																																			
Slope	2	5	4	1	3	2	2	2	5	4	2	1	2	2	2	2	3	2	3	4	2	4	2	2	3	2	2	2	2	2	2	2	2	2	2
Linear Shrinkage	1	1	3	3	3	3	2	-	-	-	3	3	3	2	2	2	3	3	2	2	-	-	-	-	2	2	3	2	3	1	2	1	2	-	
Suitability of subsoil	5	5	5	5	4	4	4	5	5	4	4	4	4	4	3	5	3	3	4	4	5	5	5	5	5	3	4	4	3	5	4	4	4	4	
Depth to seasonal watertable	1	2	1	1	1	3	3	1	1	1	1	3	3	5	3	5	3	3	3	1	1	1	1	1	1	3	5	2	5	2	2	3	5	2	
Depth to hard rock	5	5	5	5	5	5	4	5	5	5	5	4	4	3	3	5	3	3	3	3	5	5	5	5	5	4	4	1	1	1	1	2	2	3	
Permeability	5	5	3	3	3	3	3	5	5	5	2	2	2	5	2	3	2	2	4	4	5	5	5	5	5	5	1	4	2	3	3	5	5	3	
Dispersibility subsoil	1	1	5	4	5	5	4	1	1	1	4	4	4	1	2	5	5	5	4	4	1	1	1	1	1	1	4	4	2	4	4	1	4	4	
Susceptibility of slope failure	1	4	3	1	1	1	1	1	4	3	1	1	1	1	1	1	1	1	1	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1

## 2.2 Secondary Roads

Map Units	Osa	Osb	Osc	Osdc	Ose	Osf	Osg	Dga	Dgb	Dgc	Dgd	Dge	Dgf	Dgg	Tsd1 Tsg1 Tsf1	Tsf2	Tfe1	Tff1	Tfe2	Tfc2	Qba	Qbc	Qbd	Qbr	Qbe	Qbf	Qbg	Qap	Qag	Qa1	Qa2	Qa3	Qa4	Qa5			
<b>PARAMETERS</b>																																					
Slope	1	5	4	1	2	2	2	1	5	4	1	3	2	1	1	2	3	2	3	4	2	4	1	2	3	2	1	1	1	1	1	1	1	1	1		
Drainage	1	1	2	2	2	3	5	1	1	1	2	2	3	3	3	3	2	3	2	2	1	1	1	1	2	2	5	2	3	2	2	3	2	3			
Depth of seasonal watertable	1	1	1	1	1	2	2	1	1	1	1	2	2	5	2	3	2	2	2	1	1	1	1	1	1	2	5	2	5	2	2	2	2	3	2		
Proportion of stones & boulders	2	1	1	1	1	1	1	3	3	3	2	2	2	2	1	1	2	2	1	1	4	4	4	4	2	1	2	1	1	1	1	1	1	1	1		
Depth to hard rock	4	4	3	3	2	2	2	4	3	3	2	2	2	2	1	2	1	1	1	1	4	4	5	5	4	1	2	1	1	1	1	1	1	1	1		
Susceptibility to slope failure	1	4	3	1	1	1	1	1	4	3	1	1	1	1	1	1	1	1	1	1	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
Linear shrinkage	1	1	3	1	3	3	2	-	-	-	3	3	3	1	2	2	3	3	2	2	-	-	-	-	2	2	3	2	3	1	2	1	2	2	(est)		
Flooding risk	1	1	1	1	1	1	5	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	5	1	5	2	5	5	3	1			
Dispersibility of subsoil (>4% slope)	-	2	5	-	5	-	-	-	2	2		4	-	-	-	-	5	-	2	2	-4	-	-	4	-	-	-	-	-	-	-	-	-	-	-		
USD subsoil	2	2	3	4	3	3	3	2	2	2	3	3	3	2	3	4	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	4	3	4	3	4	

## 2.3 Effluent Disposal

Map Units	Osa	Osب	Osc	Osد	Ose	Osف	Osg	Dga	Dgb	Dgc	Dgd	Dge	Dgf	Dgg	Tsd1 Tsg1 Tsf1	Tsf2	Tfe1	Tff1	Tfe2	Tfc2	Qba	Qbc	Qbd	Qbr	Qbe	Qbf	Qbg	Qap	Qag	Qa1	Qa2	Qa3	Qa4	Qa5			
<b>PARAMETERS</b>																																					
Slope	1	5	3	1	2	1	1	1	5	3	1	2	1	1	1	1	2	1	2	3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1		
Flooding risk	1	1	1	1	1	1	5	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	5	1	5	2	5	5	3	1				
Drainage	1	1	2	2	2	3	5	1	1	1	2	2	3	3	3	3	2	3	2	2	1	1	1	1	2	2	5	2	5	2	3	2	2	3			
Depth to seasonal watertable	1	1	1	1	1	1	1	1	1	1	1	2	1	5	1	2	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1	2	1				
Depth to hard rock/imp. Layer	5	4	4	4	3	3	2	5	4	4	3	3	2	1	1	3	1	1	1	1	5	5	5	5	4	1	2	1	1	1	1	1	1	1			
No. Months/year av. Rainfall > Ksat	1	1	1	1	1	1	1	1	1	3	3	3	1	5	1	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Permeability	1	1	4	1	4	4	3	1	1	1	5	5	5	1	5	4	5	5	1	1	1	1	1	1	1	5	2	3	4	1	1	3					

## 2.4 Building Foundations i) slab, ii) stump

Map Units	Osa	Osب	Osc	Osد	Ose	Osف	Osg	Dga	Dgb	Dgc	Dgd	Dge	Dgf	Dgg	Tsd1 Tsg1 Tsf1	Tsf2	Tfe1	Tff1	Tfe2	Tfc2	Qba	Qbc	Qbd	Qbr	Qbe	Qbf	Qbg	Qap	Qag	Qa1	Qa2	Qa3	Qa4	Qa5			
<b>PARAMETERS</b>																																					
Slope i), ii)	1;1	5;4	4;3	1;1	2;1	2;1	2;1	1;1	5;4	4;3	1;1	3;2	2;1	1;1	1;1	2;1	3;2	2;1	3;2	2;1	3;2	4;3	1;1	2;1	3;2	2;1	1;1	1;1	1;1	1;1	1;1	1;1	1;1	1;1	1;1		
Drainage	1	1	2	2	2	3	5	1	1	1	12	2	3	5	3	3	2	3	3	3	1	1	1	1	2	2	5	2	5	2	3	2	2	3			
Depth of seasonal watertable	1	1	1	1	1	2	2	1	1	1	1	2	2	5	2	3	2	2	2	1	1	1	1	1	1	2	5	2	5	2	2	2	3	2			
Proportion stones/boulders	2	2	1	1	1	1	1	3	3	3	2	2	2	2	1	1	2	2	1	1	4	4	4	4	2	1	2	1	1	1	1	1	1	1			
Depth to hard rock	4	4	3	3	2	2	2	4	3	3	2	2	2	2	1	2	1	1	1	1	4	4	5	5	4	1	2	1	1	1	1	1	1	1			
Susceptibility to slope failure	1	4	3	1	1	1	1	1	4	3	1	1	1	1	1	1	1	1	1	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1		
Linear Shrinkage i); ii)	1;1	1;1	2;3	1;1	2;3	2;3	1;2	-	-	-	2;3	2;3	2;3	1;1	1;2	1;2	2;3	2;3	1;2	1;2	-	-	-	-	1;2	1;2	2;3	1;2	2;3	1;1	1;2	1;1	1;2	-			
Flooding risk	1	1	1	1	1	1	5	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	5	2	5	5	3	1			

## 2.5 Agriculture

Map Units	Osa	Osب	Osc	Osd	Ose	Osف	Osg	Dga	Dgb	Dgc	Dgd	Dge	Dgf	Dgg	Tsd1 Tsg1 Tsf1	Tsf2	Tfe1	Tff1	Tfe2	Tfc2	Qba	Qbc	Qbd	Qbr	Qbe	Qbf	Qbg	Qap	Qag	Qa1	Qa2	Qa3	Qa4	Qa5		
<b>PARAMETERS</b>																																				
Climate	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Topography	1	5	4	1	3	2	2	1	5	4	1	3	2	1	2	2	3	2	3	4	2	4	1	1	3	2	2	1	1	1	1	1	1	1	2	
Topsoil conditions A <sub>1</sub> /A <sub>2</sub>	2	2	2/1	1/1	2/1	2	½	3	3	3	2	2	2	4	2	2/4	1	1	2/4	2/4	2	2	2	2	2	2	½	2/3	2	2/3	2	2/2	2	2		
Depth to topsoil	2	2	2	2	2	3	1	4	4	4	1	1	1	2	2	2	3	3	1	1	2	2	3	3	2	2	2	1	2	1	2	2	3	4		
Depth to hard rock/pan	5	4	4	4	4	4	3	5	4	4	4	4	3	2	2	4	2	2	1	5	5	5	5	4	2	3	1	1	1	1	1	1	1	1		
Depth to seasonal watertable	1	1	1	1	1	2	2	1	1	1	1	2	2	54	2	3	2	2	1	1	1	1	1	1	2	5	2	5	1	2	2	3	2			
Available water capacity	4	4	3	4	3	3	2	4	4	3	3	3	1	1	1	3	1	1	1	1	5	5	5	5	4	1	2	1	1	1	1	1	1	1		
Permeability - rainfall index	4	4	1	3	1	1	1	4	4	4	2	2	2	4	2	1	2	2	3	3	4	4	4	4	4	3	2	2	4	1	1	4	4	2		
Dispersibility topsoil		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	4	3	3	3	3	3	3	3	3	2	3	
Linear Shrinkage	1	1	3	1	3	3	2	-	-	-	3	3	3	1	2	2	3	3	3	3	-	-	-	-	-	2	3	2	3	1	2	1	2	-		
Gravel/stone/boulder content	5	5	4	3	4	4	3	5	4	4	2	2	2	2	3	2	3	3	4	4	5	5	5	5	2	2	2	1	2	1	1	1	1	1		
Electrical conductivity	1	1	3	2	3	3	1	1	1	1	4	4	4	2	2	3	4	4	2	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1		
Susceptibility to sheet erosion	3	5	5	3	4	3	2	2	4	4	2	3	2	2	3	3	4	3	5	5	4	5	2	3	4	3	2	2	2	2	2	2	2	2	3	
Susceptibility to gully erosion	1	1	3	2	4	4	4	2	2	3	2	4	4	4	3	3	4	5	4	3	1	1	1	1	2	2	3	3	3	2	3	2	2	2		
Susceptibility to wind erosion	2	2	2	2	2	2	2	3	3	3	4	4	4	4	2	2	2	2	4	4	2	2	2	2	2	21	2	4	2	2	2	2	2	2	3	

## 2.6 Rural Residential Development

Map Units	Osa	Osب	Osc	Osd	Ose	Osف	Osg	Dga	Dgb	Dgc	Dgd	Dge	Dgf	Dgg	Tsd1 Tsg1 Tsf1	Tsf2	Tfe1	Tff1	Tfe2	Tfc2	Qba	Qbc	Qbd	Qbr	Qbe	Qbf	Qbg	Qap	Qag	Qa1	Qa2	Qa3	Qa4	Qa5
<b>PARAMETERS</b>																																		
Building Foundation i); ii)	4;4	5;5	4;3	3;3	3;3	3;3	5;5	4;4	5;4	4;3	2;3	3;3	3;3	5;5	3;3	3;3	3;3	3;3	3;2	4;4	4;4	4;4	5;5	5;5	4;4	2;2	5;5	2;2	5;5	2;2	5;5	5;5	3;3	3;3
Farm dams	5	5	5	5	5	5	4	5	5	5	4	4	4	5	3	5	5	5	4	5	5	5	5	5	5	5	5	4	5	5	4	5	5	4
Effluent Disposal	5	5	4	4	4	4	5	5	5	4	5	5	5	5	5	4	5	5	2	4	5	5	5	5	5	2	5	2	5	3	5	5	3	3
Secondary Roads	4	5	5	4	5	3	5	4	5	4	3	4	3	5	3	4	5	3	3	4	4	4	5	5	4	3	5	3	5	4	5	5	3	4

## 2.7 Urban Residential Development i) Slab; ii) Stumps

Map Units	Osa	Osب	Osc	Osd	Ose	Osf	Osg	Dga	Dgb	Dgc	Dgd	Dge	Dgf	Dgg	Tsd1 Tsg1 Tsf1	Tsf2	Tfe1	Tff1	Tfe2	Tfc2	Qba	Qbc	Qbd	Qbr	Qbe	Qbf	Qbg	Qap	Qag	Qa1	Qa2	Qa3	Qa4	Qa5
<b>PARAMETERS</b>																																		
Building Foundations i); ii)	4;4	5;5	4;3	3;3	3;3	3;3	5;5	4;4	5;4	4;3	2;3	3;3	3;3	5;5	3;3	3;3	3;3	3;3	3;2	4;4	4;4	4;4	5;5	5;5	4;4	2;2	5;5	2;2	5;5	2;2	5;5	5;5	3;3	3;3
Secondary Roads	4	5	5	4	5	3	5	4	5	4	3	4	3	5	3	4	5	3	3	4	4	4	5	5	4	3	5	3	5	4	5	5	3	4