

11/8/23

Dam Spread Soil

## Field Data Sheet

## Soil

Parameter	Score System	Poor (0)	Med (1)	Good (2)
Topsoil Depth	Poor (less than 15cm), Mediocre (between 15 and 30cm), Good (greater than 30cm)	✓		
Topsoil Colour	Poor (similar colour to subsoil), Mediocre (slight colouring), Good (rich colouring)		✓	
Structural Appearance	* See Below	✓		
Slaking	Poor (>70%), Mediocre (21-69%), Good (<20%)		✓	
Dispersion	Poor (heavy), Mediocre (cloudy), Good (Clear)		✓	
Earthworms per 20cm Cube of Soil	Poor (<2), Mediocre (3-5), Good (>6)	✓		
Beneficial Soil Fauna Diversity	Poor (none), Mediocre (1-3 types), Good (>4)	✓		
Soil Pest Incidence	Poor (concerning), Moderate (low), Good (insignificant) (thresholds vary between species)			✓
Compaction	Poor (greater than 3 MPa), Moderate (2-3 MPa), Good (less than 2MPa)	✓		
Water Infiltration	Poor (less than 25mm/hr), Mediocre (between 25 and 100mm/hr), Good (greater than 100mm/hr)	—		
pH	Poor (under 5 or above 8.5), Moderate (between 5 and 7.5 and 8.5), Good (between 6 and 7.5)			✓
Soil Moisture	Poor (wilting point or field capacity), Mediocre (drying or wet conditions), Good (optimum moisture levels)		✓	

\*

Poor (dominated by large, firm clods or loose soil),  
 Mediocre (similar portions of fine aggregates to clods/loose soil),  
 Good (dominated by friable, fine, round, aggregates)