

PASTURE MONITORING RECORDING SHEET

SET UP DETAILS

Photo site name:			Set up Date:						
Paddock name:			Paddock area (ha):		GPS – S:				
Landtype name:			Landtype area (ha):		GPS – E:				
Location:									
Soil Description – colour: <i>(circle)</i>	black	brown	grey	red	yellow	white	light	Other:	
Soil Description – texture: <i>(circle)</i>	heavy clay	medium clay	clay loam	loam	sandy loam	sand	gravelly	gravelly rock	Other:
Landform: <i>(circle)</i>	flat	gentle slope		undulating	hilly	mountainous		Other:	
Tree species present:									
Any comments:									

FIELD ASSESSEMENT

Assessment date:		Assessor Name:		Landscape Photo #:		Trayback Photo #:	
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1. Soil Condition

Indicator	Quad 1					Quad 2					Average
Soil compaction: <i>(circle)</i>	1) None, very friable	2) Slight compaction	3) Moderate compaction	4) Severe compaction	5) Very severe compaction, hard as a rock	1) None, very friable	2) Slight compaction	3) Moderate compaction	4) Severe compaction	5) Very severe compaction, hard as a rock	
Erosion: <i>(circle)</i>	1) None, very stable	2) Early signs of soil movement	3) Plant pedestalling starting to occur	4) Evidence of plants/ rock pedestalling & sheet/gully erosion up to 15cm deep	5) Sheet/gully erosion > 15cm deep	1) None, very stable	2) Early signs of soil movement	3) Plant pedestalling starting to occur	4) Evidence of plants/ rock pedestalling & sheet/gully erosion up to 15cm deep	5) Sheet/gully erosion > 15cm deep	
Cattle tracks: <i>(circle)</i>	1) No tracks evident	2) Some tracks evident	3) Deep tracks evident			1) No tracks evident	2) Some tracks evident	3) Deep tracks evident			
Other indicators: <i>(circle)</i>	1) No scalding or salt evident	2) Some scalding &/or salt evident	3) Many areas of scalding &/or salt evident			1) No scalding or salt evident	2) Some scalding &/or salt evident	3) Many areas of scalding &/or salt evident			

2. Pasture Condition					
	Quad 1		Quad 2		Average
Desirable grasses present:					
Intermediate grasses present:					
Undesirable grasses present:					
Legumes present:					
Weeds present:					
% desirables (grasses & legumes)		/100		/100	/100
% intermediates		/100		/100	/100
% undesirables (grasses & weeds)		/100		/100	/100
Number of desirable spp					
Health of desirable spp (circle)	1) Healthy plants	2) Some unhealthy plants	3) Some dead plants	4) Many dead plants	1) Healthy plants 2) Some unhealthy plants 3) Some dead plants 4) Many dead plants

3. Groundcover			
	Quad 1	Quad 2	Average
Groundcover% : (this includes dead and alive leaves, sticks, twigs, dung, debris, roots etc.)			

4. Woodland Condition	
	Result (taken from Northern post)
Tree Count (TC)	
Tree basal area (m ² /ha) [TC ÷ 4]	
Sapling count (SC) in 10m ²	
Saplings/ha (SC x 1000)	
Average sapling diameter (cm)	

5. Livestock Situation			
Current number of stock in paddock:			
Type of stock: (circle)	steers/bullocks breeders & progeny	heifers breeders only	weaners bulls

6. Overall Land Condition (circle)			
A	B	C	D
based on soil, pasture and woodland condition			

7. Dry Season Forage Estimate (Optional)							
Feed Available	Example	Your Result	Explanation	Photostandard used (eg. bluegrass wiregrass):			
Estimated Yield (kg/ha) (A)	2500		Derived from photostandards	Feed Required	Example	Your Result	Explanation
Detachment/Trampling (%)	5%	5%	Rate is provided	Current Date	31/5/16		Current date
Detachment (kg/ha)	125		% detachment x yield (A)	Date of expected good rain	15/11/16		Date of expected break of season
Available Pasture (kg/ha)	2375		Estimated yield - detachment	Days until good rain	168		Length of dry season (days)
Useful pasture (%)	70%		% Desirable species	Average weight of cattle (kg)	300		Liveweight (kg)
Useful pasture (kg/ha)	1663		% useful pasture x available pasture	Intake as a % liveweight	2%		Usually between 2-3% liveweight
Utilisation rate (%)	25%	25%	Usually 25%	Demand (kg/head/day)	6		Liveweight x 2%
Total available for grazing (kg/ha) (B)	416		Useful pasture x utilisation rate	Feed required for period/head (C)	1008		Days until good rain x Demand
Residual pasture (kg/ha) (A-B)	2084		Aim for at least 1000 - 1500kg/ha If not, % utilised must be reduced	Estimated Carrying Capacity			
				Carrying Capacity (ha/head)	2.4		(C ÷ B)
				Paddock Size (ha)	400		Area of paddock (ha)
				Head Supported	167		Paddock size ÷ Carrying Capacity