Appendix 3 Site description and transect forms

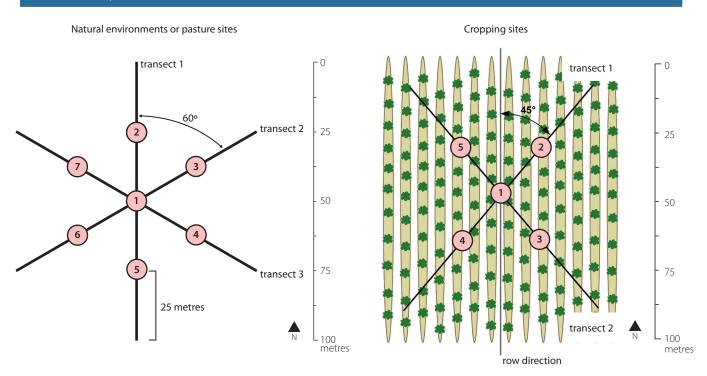
Site description form

Basic site description	
Location description:	
Brief site description:	
Site ID (STATEnumber e.g. SA001):	Protocol: Ground cover monitoring
Revisit (Y/N):	
Field operators:	
Date (dd/mm/yyyy):	
Zone (UTM/MGA94)(49-56):	Geodetic datum (WGS84/GDA94):
Easting:	Northing:
Landholder consent for data to be released (Y/N):	
Slope (%):	Aspect (degrees):
Land use code (ALUMv7):	
Cropping (Y/N):	Commodity:
Plant growth stage (establishment, immature/growing, matur	re, senescence/residue, none):
Management phase (abandoned, baled, burnt, cultivated, gra	ized, incorporated, mulched, sprayed, standing/none, other):
Photo numbers (7 natural/pasture sites; 5 cropping sites):	
Field spectra collected (Y/N):	Reflectance for field spectra:

Vegetation descrip	tion									
Biomass estimate (k	(g/ha):				Biomass meth	od:				
Average non-wood	y vegetatic	on height (m):								
Fire occurrence (0 r	no evidence	e, 1 minor burn, <5% of site	e or >	3 yeaı	rs, 2 recent /majo	or burn :	>5%	% of site	or <3 years):	
Perennial vegetatio	n (0-5%, 6-	25%, 26-50%, 51-75%, 76-1	00%):	:						
Average woody veg	jetation he	eight (m):								
J , ,			_							
	,			Don	ninant species by	y bioma	SS	I		
Vegetation structu		Species 1	%		Species 2	(%		Species 3	%
Woody vegetation										
Woody vegetation	<2m									
Non-woody groun	d cover									
	Prism				Number of	Num			Converted (pris	
Tree basal area	factor	Observer			live trees	dead	tre	es	factor × No. live	trees)
1. Centre										
2. North										
3. Northeast										
4. Southeast										
5. South										
6. Southwest										
7. Northwest										
Average (live) tree l	oasal area	= total converted / 7:	r	n²/ha				Total		
Land surface										
Land Surface										
Erosion										
State of erosion (N	none, A ac	tive, S stabilised, P partly st	abilis	ed):						
Wind erosion (0 nor	ne, 1 mino	r, 2 moderate, 3 severe, 4 ve	ery se	vere):						
Scald erosion (0 no	ne, 1 mino	r <5% of site, 2 moderate 5	-50%	of sit	e, 3 severe >50%	6 of site)):			
Sheet erosion (0 no	ne, 1 mino	or, 2 moderate, 3 severe):								
Rill erosion (0 none	, 1 minor o	occasional, 2 moderate com	ımon,	3 sev	ere corrugated):					
•		n deep) (0 none, 1 minor is						_		•
Deposited material	s									
Deposited material	s (sand <2	mm, gravel 2–60 mm, ston	es >6	0 mm):					
Abundance (0 none,	1 very few	<2%, 2 few 2–10%, 3 comm	on 10	-20%	, 4 many 20–50%,	, 5 abund	dan	t 50–90%	6, 6 very abundant	>90%):

Microrelief					
Soil microrelief p	resent in the sit	re (0 smooth <3 mm variati	on, M mounds, D depre	ssions, C crop	rows):
Vertical interval b	oetween base a	nd crest i.e. height (m):			
Horizontal distan	ce between cre	ests (m):			
		3 agents (NH horse, NS shote, A ant, V vegetation, O c	_	· -	nacropod, NL camel, NR
		specify up to 3 conditions (ryptogam surface, T tramp	_	_	5 soft, F firm, H hard setting, C Z saline, O other):
Surface cracks (ex	xcept self-mulc	·	fine <5 mm, 2 medium	5–10 mm, 3 co	oarse 10–20 mm, 4 very coarse
Soil colour	Example	Crust dry	Disturbed dry	Crust mois	st Disturbed moist
Soil hue	5YR				
Soil value Soil chroma	5				
,, ,		-10%, 10–20%, 20–50%, 50-			
abundant >90%): Average fragmen	t size (1 fine gr	avelly 2–6 mm, 2 medium g	gravelly 6–20 mm, 3 coa	rse gravelly 20	, 5 abundant 50–90%, 6 very 0–60 mm, 4 cobbly 60–200
Rock/lag colour		1st dominant	2nd dominant		3rd dominant
Rock/lag hue					
Rock/lag value					
Rock/lag chroma	a				

Field transect layout



The pink dots indicate the 7 positions to take tree basal area measurements in natural environments or pasture sites.

For all site photos stand at pink dot #1. Take photo of site centre looking down, then the remaining photos along the transect lines in the order numbered.

Transect 1 bearing:	Transect 1 bearing:
Transect 2 bearing:	Transect 2 bearing:
Transect 3 bearing:	
Photo 1:	Photo 1:
Photo 2:	Photo 2:
Photo 3:	Photo 3:
Photo 4:	Photo 4:
Photo 5:	Photo 5:
Photo 6:	
Photo 7:	

Transect form

Site	num	ber:				S	hee	t nu	mbe	er: 1	D	ate:				-													
	crust	disturbed	rock	green leaf	dry leaf	litter	cryptogam	<2m green leaf	<2m dry leaf	<2m branch	in crown	>2m green leaf	>2m dry leaf	>2m branch		crust	disturbed	rock	green leaf	dry leaf	litter	cryptogam	<2m green leaf	<2m dry leaf	<2m branch	in crown	>2m green leaf	>2m dry leaf	>2m branch
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	crust	disturbed	rock	green leaf	dry leaf	litter	cryptogam	<2m green leaf	<2m dry leaf	<2m branch	in crown	>2m green leaf	>2m dry leaf	>2m branch		crust	disturbed	rock	green leaf	dry leaf	litter	cryptogam	<2m green leaf	<2m dry leaf	<2m branch	in crown	>2m green leaf	>2m dry leaf	>2m branch
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	crust	disturbed	rock	green leaf	dryleaf		cryptogam	<2m green leaf	<2m dry leaf	<2m branch	in crown	>2m green leaf	>2m dry leaf	>2m branch		crust	disturbed	rock	green leaf	dry leaf	litter	cryptogam	<2m green leaf	<2m dry leaf	<2m branch	in crown	>2m green leaf	>2m dry leaf	>2m branch
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