

# BAM Site – Field Survey Form

Site Sheet no: 1 of 1

Date		Survey Name		Plot Identifier		Recorders	
17 6 22		JHHIP		V102		SC	
Zone	Datum	IBRA region	Photo #		Zone ID		
Easting	Northing	Dimensions		Orientation of midline from the 0 m point.		Magnetic bearing	
Vegetation Class						Confidence:	
						H M L	
Plant Community Type						EEC:	
HV833 - WSP - RP2J						Confidence:	
						H M L	

Record easting and northing from the plot marker. If applicable, orient picket so that perforated rib points along direction of midline.

Dimensions (Shape) of 0.04 ha base plot inside 0.1 ha FA plot should be identified, magnetic bearing taken along midline.

BAM Attribute (400 m <sup>2</sup> plot)		Sum values
Count of Native Richness	Trees	
	Shrubs	
	Grasses etc.	
	Forbs	
	Ferns	
	Other	
Sum of Cover of native vascular plants by growth form group	Trees	
	Shrubs	
	Grasses etc.	
	Forbs	
	Ferns	
	Other	
High Threat Weed cover		

  

BAM Attribute (20 x 50 m plot)		# Tree Stems Count		Record number of living eucalypt* (Euc*) and living native non-eucalypt (Non Euc) stems separately
dbh	Euc*	Non Euc	Hollows†	
large trees for Euc* & Non Euc	80 + cm	2		2
	50 – 79 cm	8		2
	30 – 49 cm	9		
	20 – 29 cm	13		
	10 – 19 cm	21		
	5 – 9 cm	12		n/a
	< 5 cm	18		n/a
Length of logs (m) (≥10 cm diameter, >50 cm in length)				total
				30

Counts must apply to each size class when the number of living tree stems within the size class is ≤10. Estimates can be used when the number of living tree stems within a class is > 10. Estimates should draw from the number series: 10, 20, 30..., 100, 200, 300

For a multi-stemmed tree, only the largest living stem is included in the count/estimate. For hollows count only the presence of a stem containing hollows, not the count of hollows in that stem. Only count as 1 stem per tree where tree is multi-stemmed. The hollow-bearing stem may be a dead stem.

BAM Attribute (1 x 1 m plots)	Litter cover (%)				Bare ground cover (%)				Cryptogam cover (%)				Rock cover (%)			
Subplot score (% in each)	60	70	70	60	70											
Average of the 5 subplots	66															

Litter cover is assessed as the average percentage ground cover of litter recorded from five 1 m x 1 m plots located on alternate sides and 5 m from the plot midline at the locations 5, 15, 25, 35, and 45 m along the midline. Litter cover includes leaves, seeds, twigs, branchlets and branches (less than 10 cm in diameter). Within these 1 m x 1 m plots assessors may also record the cover of rock, bare ground and cryptogam soil crusts. Collection of these data is optional - the data do not currently contribute to assessment scores, they hold potential value for future vegetation integrity assessment attributes and benchmarks, and for enhancing PCT description

## Physiography + site features that may help in determining PCT and Management Zone (optional)

Morphological Type		Landform Element		Landform Pattern		Microrelief	
Lithology		Soil Surface Texture		Soil Colour		Soil Depth	
Slope		Aspect		Site Drainage		Distance to nearest water and type	

Plot Disturbance	Severity code	Age code	Observational evidence:
Clearing (inc. logging)			
Cultivation (inc. pasture)			
Soil erosion			
Firewood / CWD removal			
Grazing (identify native/stock)			
Fire damage			
Storm damage			
Weediness			
Other			

Severity: 0=no evidence, 1=light, 2=moderate, 3=severe

Age: R=recent (<3yrs), NR=not recent (3-10yrs), O=old (>10yrs)

400 m <sup>2</sup> plot: Sheet _ of _	Survey Name	Plot Identifier	Recorders
Date		V1 02	SC

GF Code	Top 3 native species in each growth form group: Full species name mandatory All other native and exotic species: Full species name where practicable	N, E or HTE	Cover	Abund	stratum	voucher
	Angophora costata		20	10		
	Corymbia gumifera		10	6		
	Eucalyptus capitellata		5	3		
	Banksia spinulosa		25	50		
	Pittosporum undulatum		10	20		
	Macrozamia communis		2	10		
	Xanthorrhoea latifolia		2	10		
	Hibbertia aspera		10	50		
	Mirbelia rubifolia		5	50		
	Leptospermum tannerum		10	20		
	Persoonia linearis		2	10		
	Acacia myrtifolia		1	10		
	Pultanea spp.		1	30		
	Comandra obliqua		5	100		
	Imperata cylindrica		5	100		
	Phyllanthus hirtellus		0.2	20		
	Themeda triandra		10	500		
	Pteridium esculentum		5	50		
	Acacia terminalis		0.1	5		
	Epacris microphylla		0.2	20		
	Goodenia heterophylla		0.2	50		
	Stylidium australe		0.1	20		
	Pultanea retusa		0.5	50		
	Allocasuarina littoralis		0.5	2		
	Dianella l.p.		2	100		
	Billardiera scandens		0.2	10		
	Dodonaea frutescens		2	20		
	Rytidosperma pallidum		5	100		
	Lomaria silaifolia		1	5		
	Pterostylis spp. nitens		0.1	10		
	Entolasia stricta		5	100		
	Acacia ulicifolia		1	10		
	Danthonia ulicifolia		1	10		
	Cassytha pubescens		0.5	5		
	Polystichum sambyccifolia		0.5	5		
	Podolobium ulicifolium		0.5	5		
	Persoonia levis		0.1	2		
38						
39						
40						

GF Code: see Growth Form definitions in Appendix 1

N: native, E: exotic, HTE: high threat exotic

GF – circle code if 'top 3'.

Cover: 0.1, 0.2, 0.3, ..., 1, 2, 3, ..., 10, 15, 20, 25, ... 100% (foliage cover); **Note:** 0.1% cover represents an area of approximately 63 x 63 cm or a circle about 71 cm across, 0.5% cover represents an area of approximately 1.4 x 1.4 m, and 1% = 2.0 x 2.0 m, 5% = 4 x 5 m, 25% = 10 x 10 m

Abundance: 1, 2, 3, ..., 10, 20, 30, ... 100, 200, ..., 1000, ...

## BAM Site – Field Survey Form

Site Sheet no: 1 of 1

Date		Survey Name		Plot Identifier		Recorders	
17/6/22		JHHIP		V1 04		SC	
Zone		Datum		IBRA region		Photo #	
Easting		Northing		Dimensions		Orientation of midline from the 0 m point.	
						Magnetic	
Vegetation Class						Confidence:	
						H M L	
Plant Community Type		HU 041 - WSP - RP2J		EEC:		Confidence:	
						H M L	

Record easting and northing from the plot marker. If applicable, orient picket so that perforated rib points along direction of midline.

Dimensions (Shape) of 0.04 ha base plot inside 0.1 ha FA plot should be identified, magnetic bearing taken along midline.

BAM Attribute (400 m <sup>2</sup> plot)		Sum values	
Count of Native Richness	Trees		
	Shrubs		
	Grasses etc.		
	Forbs		
	Ferns		
	Other		
Sum of Cover of native vascular plants by growth form group	Trees		
	Shrubs		
	Grasses etc.		
	Forbs		
	Ferns		
	Other		
High Threat Weed cover			

  

BAM Attribute (20 x 50 m plot)		# Tree Stems Count		Record number of living eucalypt* (Euc*) and living native non-eucalypt (Non Euc) stems separately  * includes all species of <i>Eucalyptus</i> , <i>Corymbia</i> , <i>Angophora</i> , <i>Lophostemon</i> and <i>Syncarpia</i>  † Record total number of stems by size class with hollows (including dead stems/trees)	
dbh	Euc*	Non Euc	Hollows†		
large trees for Euc* & Non Euc	80 + cm	1	1		
	50 – 79 cm	10			2
	30 – 49 cm	20			
	20 – 29 cm	15			
	10 – 19 cm	20			
	5 – 9 cm	12			n/a
	< 5 cm	20			n/a
Length of logs (m) (≥10 cm diameter, >50 cm in length)					total
				22	

Counts must apply to each size class when the number of living tree stems within the size class is ≤10. Estimates can be used when the number of living tree stems within a class is > 10. Estimates should draw from the number series: 10, 20, 30..., 100, 200, 300

For a multi-stemmed tree, only the largest living stem is included in the count/estimate. For hollows count only the presence of a stem containing hollows, not the count of hollows in that stem. Only count as 1 stem per tree where tree is multi-stemmed. The hollow-bearing stem may be a dead stem.

BAM Attribute (1 x 1 m plots)	Litter cover (%)					Bare ground cover (%)					Cryptogam cover (%)					Rock cover (%)				
Subplot score (% in each)	65	60	70	30	70															
Average of the 5 subplots	59																			

Litter cover is assessed as the average percentage ground cover of litter recorded from five 1 m x 1 m plots located on alternate sides and 5 m from the plot midline at the locations 5, 15, 25, 35, and 45 m along the midline. Litter cover includes leaves, seeds, twigs, branchlets and branches (less than 10 cm in diameter). Within these 1 m x 1 m plots assessors may also record the cover of rock, bare ground and cryptogam soil crusts. Collection of these data is optional - the data do not currently contribute to assessment scores, they hold potential value for future vegetation integrity assessment attributes and benchmarks, and for enhancing PCT description

## Physiography + site features that may help in determining PCT and Management Zone (optional)

Morphological Type	Landform Element	Landform Pattern	Microrelief
Lithology	Soil Surface Texture	Soil Colour	Soil Depth
Slope	Aspect	Site Drainage	Distance to nearest water and type

Plot Disturbance	Severity code	Age code	Observational evidence:
Clearing (inc. logging)			
Cultivation (inc. pasture)			
Soil erosion			
Firewood / CWD removal			
Grazing (identify native/stock)			
Fire damage			
Storm damage			
Weediness			
Other			

Severity: 0=no evidence, 1=light, 2=moderate, 3=severe

Age: R=recent (&lt;3yrs), NR=not recent (3-10yrs), O=old (&gt;10yrs)

400 m <sup>2</sup> plot: Sheet _ of _	Survey Name	Plot Identifier	Recorders
Date		V1 04	SC

GF Code	Top 3 native species in each growth form group: Full species name mandatory All other native and exotic species: Full species name where practicable	N, E or HTE	Cover	Abund	stratum	voucher
	<i>Argemone costata</i>		5	4		
	<i>Eucalyptus piperita</i>		15	7		
	<i>Corymbia quinquifera</i>		5	3		
	<i>E. globoides</i>		5	3		
	<i>Syntherisma glomerulifera</i>		1	1		
	<i>Dodonaea trigyneta</i>		10	50		
	<i>Pteridium esculentum</i>		10	50		
	<i>Glochidion ferdinandi</i>		1	5		
	<i>Banksia spinulosa</i>		5	20		
	<i>Leptospermum polygalifolium</i>		5	20		
	<i>Imperata cylindrica</i> var <i>maja</i>		10	100		
	<i>Xanthorrhoea lat</i>		1	5		
	<i>Entolasia stricta</i>		10	500		
	<i>Lomandra longifolia</i>		1	20		
	<i>Lomandra multiflora</i>		1	50		
	<i>Macrozamia communis</i>		1	5		
	<i>Lindsea microphylla</i>		0.2	100		
	<i>Hardenbergia violacea</i>		0.2	100		
	<i>Persea levis</i>		1	10		
	<i>Glycine clandestina</i>		0.1	50		
	<i>Dianella c.p</i>		1	200		
	<i>Hibbertia aspera</i>		0.2	50		
	<i>Eustrephus latifolia</i>		0.1	20		
	<i>Goodenia heterophylla</i>		0.5	100		
	<i>Desmodium rhytidophyllum</i>		0.2	10		
	<i>Pandorea pandora</i>		0.1	20		
	<i>Pratia purpurea</i>		0.2	200		
	<i>Leucopogon lanceolatus</i>		0.2	10		
	<i>Brunoniella australis</i>		0.2	20		
	<i>Polyscias sambucifolia</i>		0.2	10		
	<i>Acacia longifolia</i>		1	5		
	<i>Breynia distachya</i>		1	5		
	<i>Lomatia silicifolia</i>		0.2	5		
	<i>Microlaena stipoides</i>		2	100		
	<i>Parsonsia straminea</i>		0.2	10		
	<i>Persea levis</i>		0.5	10		
	<i>Pterostylis</i> spp. (mutans)		0.1	10		
	<i>Adiantum aethiopicum</i>		0.2	30		
	<i>Smilax australis</i>		0.2	20		
	<i>Calochlaena dubia</i>		1	50		

GF Code: see Growth Form definitions in Appendix 1

N: native, E: exotic, HTE: high threat exotic

GF - circle code if 'top 3'.

Cover: 0.1, 0.2, 0.3, ..., 1, 2, 3, ..., 10, 15, 20, 25, ...100% (foliage cover); **Note:** 0.1% cover represents an area of approximately 63 x 63 cm or a circle about 71 cm across, 0.5% cover represents an area of approximately 1.4 x 1.4 m, and 1% = 2.0 x 2.0 m, 5% = 4 x 5 m, 25% = 10 x 10 m

Abundance: 1, 2, 3, ..., 10, 20, 30, ..., 100, 200, ..., 1000, ...

*Acianthus formicatus*

0.1 50

## BAM Site – Field Survey Form

Site Sheet no: 1 of

Date		Survey Name		Plot Identifier		Recorders	
17 6 22		JHHIP		V103		SC	
Zone	Datum	IBRA region	Photo #		Zone ID		
Easting	Northing	Dimensions		Orientation of midline from the 0 m point.		Magnetic bearing	
Vegetation Class						Confidence:	
						H M L	
Plant Community Type						EEC:	
MV 833 - WSP - RP2J						H M L	

Record easting and northing from the plot marker. If applicable, orient picket so that perforated rib points along direction of midline.

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BAM Attribute (400 m <sup>2</sup> plot)		Sum values
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	Shrubs	
	Grasses etc.	
	Forbs	
	Ferns	
	Other	
Sum of Cover of native vascular plants by growth form group	Trees	
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	Forbs	
	Ferns	
	Other	
High Threat Weed cover		

  

BAM Attribute (20 x 50 m plot)		# Tree Stems Count	
dbh	Euc*	Non Euc	Hollows†
large trees for Euc* & Non Euc	80 + cm		
50 – 79 cm	6		1
30 – 49 cm	9		
20 – 29 cm	12		
10 – 19 cm	22		
5 – 9 cm	14		n/a
< 5 cm	14		n/a
Length of logs (m) (≥10 cm diameter, >50 cm in length)		total	
		80	

Record number of living eucalypt\* (Euc\*) and living native non-eucalypt (Non Euc) stems separately

\* includes all species of *Eucalyptus*, *Corymbia*, *Angophora*, *Lophostemon* and *Syncarpia*

† Record total number of stems by size class with hollows (including dead stems/trees)

Counts must apply to each size class when the number of living tree stems within the size class is ≤10. Estimates can be used when the number of living tree stems within a class is &gt; 10. Estimates should draw from the number series: 10, 20, 30..., 100, 200, 300

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BAM Attribute (1 x 1 m plots)	Litter cover (%)	Bare ground cover (%)	Cryptogam cover (%)	Rock cover (%)
Subplot score (% in each)	35 60 80 30 20			
Average of the 5 subplots	45			

Litter cover is assessed as the average percentage ground cover of litter recorded from five 1 m x 1 m plots located on alternate sides and 5 m from the plot midline at the locations 5, 15, 25, 35, and 45 m along the midline. Litter cover includes leaves, seeds, twigs, branchlets and branches (less than 10 cm in diameter). Within these 1 m x 1 m plots assessors may also record the cover of rock, bare ground and cryptogam soil crusts. Collection of these data is optional - the data do not currently contribute to assessment scores, they hold potential value for future vegetation integrity assessment attributes and benchmarks, and for enhancing PCT description

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Soil erosion			
Firewood / CWD removal			
Grazing (identify native/stock)			
Fire damage			
Storm damage			
Weediness			
Other			

Severity: 0=no evidence, 1=light, 2=moderate, 3=severe

Age: R=recent (&lt;3yrs), NR=not recent (3-10yrs), O=old (&gt;10yrs)

400 m <sup>2</sup> plot: Sheet _ of _	Survey Name	Plot Identifier	Recorders
Date			

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	Corymbia gummifera		10	4		
	Eucalyptus capitellata		10	4		
	Banksia spinulosa		20	50		
	E. porphyrea		1	1		
	Dodonaea triquetra		10	25		
	Exocarpos cupressiformis		2	1		
	Allocasuarina torulosa		5	6		
	Pteridium esculentum		10	50		
	Themeda triandra		10	200		
	Entolasia stricta		10	200		
	Xanthorrhoea latifolia		5	15		
	Rytanthera eucalypta		2	50		
	Mirbelia rubrifolia		5	50		
	Lomandra obliqua		10	100		
	Podolobium ilicifolium		1	5		
	Rytidosperma pallidum		10	200		
	Imperata cylindrica		5	100		
	Pratia purpurea		0.2	200		
	Rytanthera retusa		2	20		
	Macrozamia communis		0.1	2		
	Daviesia ulicifolia		0.2	5		
	Acacia ulicifolia		1	20		
	Corembea ericifolia		1	20		
	Gonolobus hederacea		0.2	20		
	Leptospermum trinervium		1	20		
	Persea levis		1	15		
	Dianella caerulea <sup>ex</sup> producta		0.5	50		
	Hibbertia aspera		0.2	20		
	Billardiera scandens		0.2	10		
	Daviesia squarrosa		1	10		
	Lomatia sialifolia		1	10		
	Pseuderanthemum variabile		0.2	20		
	Acacia terminalis		0.5	5		
	Parsonsia straminea		0.2	3		
36						
37						
38						
39						
40						

GF Code: see Growth Form definitions in Appendix 1

N: native, E: exotic, HTE: high threat exotic

GF – circle code if 'top 3'.

Cover: 0.1, 0.2, 0.3, ..., 1, 2, 3, ..., 10, 15, 20, 25, ...100% (foliage cover); **Note:** 0.1% cover represents an area of approximately 63 x 63 cm or a circle about 71 cm across, 0.5% cover represents an area of approximately 1.4 x 1.4 m, and 1% = 2.0 x 2.0 m, 5% = 4 x 5 m, 25% = 10 x 10 m

Abundance: 1, 2, 3, ..., 10, 20, 30, ... 100, 200, ..., 1000, ...