

4 OBSERVER(S): A.C. NAPIOR 5 DATE: [11/10/85] 1 camp 2 quad 3 patch
10 PHOTO: roll [1] frame [7, 8] code: KEM: 1 1 1
in full: KEMERTON 1 DNE

VEGETATION: KEMERTON SURVEY (OCT 85)
C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [M/i] 2. [LA/i] 3. [SA/i] 4. [SB/c] 5. [SC/r] 6. [SD/i] 7. [J/r] 8. [/]

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Enc. marginata</i>	-	LA	5				also new suckers < 2m
	<i>Euc. calophylla</i>	-	M	8				
	<i>Xylomelum occidentale</i>	-	LA	3				
	<i>Xanthorrhoea gracilis</i>	-	SB	32%				
	<i>Hibbertia hypericoides</i>	6	SD	2				
	<i>Borreria eriocarpa</i>	2	SD	8				
	<i>Dasylophos homalifolius</i>	3	SD	2				
	<i>Macozamia reidleyi</i>		SC	3				
	<i>Phlebocarya ciliata</i>	4	SAJ	3				w flower
	<i>Hibbertia ramosa</i>	5	SD	<1				w flower
	<i>Conostylis juncea</i>	7	SAJ	1				
	<i>Conostylis aculeata</i>	8	SAJ	1				w flower
	<i>Eriostemon spicatus</i>	9	SD	<1				
	<i>Gompholobium tomentosum</i>	20	SD	<1				w flower
	<i>Petrophile laevis</i>	18	SA	<1				
	<i>Conostephium pendulum</i>	17	SD	<1				
	<i>Kennedia coccinea</i>	-	SD	<1				creeper
	<i>Jacksonia parcellata</i>		SB	<1				
	<i>Phyllanthus calycinus</i>	14	SD	<1				
	<i>Aspalathus alba</i>	1	SD	<1				

21 LITTER=

22 LOGS=

23 RATIO DEAD : LIVE TREES=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (11/10/85)

OBSERVER(s) ANNA NAPIER

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331300) (1154400)
Lat(deg/min/sec) Long(deg/min/sec)

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	1	—
IN FULL	KEMERTON	ONE	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1"/1.8 Km 5 = 10"/18 Km 6 = 30"/54 Km

NEAREST NAMED PLACE: AUSTRALIA

DISTANCE (Kms) 6.5

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: () from geological map

LANDFORM: (3)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (>256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5Y 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y
(munsell)

- Depth (mm) : A () B ()

- Comments:

- Soil sample Number: ()

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (5) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (5)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS: Burn in ~ last 2 years. Sucker regrowth.

4 OBSERVER(S): A.C. NAPIER 5 DATE: [11/10/85] 1 camp 2 quad 3 patch
 10 PHOTO: roll [] frame [] code: KEM 2 1 — 1
 in full: KEMERTON 1 Two 1 — 1

VEGETATION: KEMERTON SURVEY (OCT 85)
 C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [M/i] 2. [LA/r] 3. [SD/c] 4. [J/r] 5. [/] 6. [/] 7. [/] 8. [/]

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus calophylla</i>	—	M	12				
	<i>E. marginata</i>	—	LA	2				
	<i>Banksia attenuata</i>	—	LA	3				
	<i>B. grandis</i>	—	LA	<1				
	<i>Xylomelum occidentale</i>	—	LA	2				
	<i>Melaleuca thymoides</i>	13	SD	5				in flower
	<i>Xorathoeca ? gracilis</i>	12	SD	20				
	<i>Macropidia neidleri</i>	—	SC	<1				
	<i>Hibbertia hypericoides</i>		SD	4				
	<i>Corostylis aculeata</i>		J	2				
	<i>Gompholobium tomentosum</i>		SD	<1				
	<i>Hibbertia racemosa</i>		SD	1				
	<i>Dasyglossa bronchifolia</i>		SD	2				
	<i>Hemicarpha purgens</i>	11	SD	<1				
	<i>Acacia semibullata</i>	15	SD	1				
	<i>Lyginia barbata</i>		VT	1				
	<i>Eideranthos mesmeri</i>	19	SD	<1				
	<i>Conospermum nigatum</i>	16	SD	<1				
	<i>Petrophile linearis</i>		SD	1				
	<i>Korredia coccinea</i>		SD	<1				creep

21 LITTER=

22 LOGS=

23 RATIO DEAD : LIVE TREES=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (11/10/85)

OBSERVER(s) A.C. NAPIER

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331300) (1134400)
Lat(deg/min/sec) Long(deg/min/sec)

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	2	—
IN FULL	KEMERTON	TWO	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: AUSTRALIA

DISTANCE (Kms) 6.5

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: () from geological map

LANDFORM: (3)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (>256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y (munsell)

- Depth (mm) : A () B ()

- Comments:

- Soil sample Number: ()

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (5) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (5)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS:

Burnt within the previous 2 years.

4 OBSERVER(S): A. C. NAPIER 5 DATE: [11/10/85] 1 camp 2 quad 3 patch
 10 PHOTO: roll [] frame [] code: KEM 3 1 — 1
 in full: KEMERTON 1 THREE 1 — 1

VEGETATION: KEMERTON SURVEY (OCT 85)
 C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. LA/B 12. LB/i 13. SC/c 14. SD/r 15. J/r 16. / 17. / 18. / 19. /

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	Banksia attenuata		LB	10				
	Eucalyptus marginata		LA	1				
	Myrsine floribunda		LA/B	1				
	Strobilidia latifolia		SC	35				
	Allocasuarina humilis	103	SB	<1				
	Macaranga piederii		SC	1				
	Melaleuca thymoides		SC	4				
	Calytrix flavescens	21	SD	3				
	~~Dryas~~ Lasiosyris brachyfolia		SD	1				
	Crotylus juncea		J	<1				
	Conospermum capitatum	22	SD	<1				
	Phyllanthus calycinus		SD	1				
	Acacia willdenowiana	23	SD	<1				
	Jampiera linearis	24	SD	1				
	Eurostoma spicata		SD	<1				
	Xanthosia huegelii	25	SD	<1				
	Petrophile linearis		SD	<1				
	Daviesia divaricata	26	SC	1				
	Acacia huegelii	27	SD	<1				
	Crotylus aculeata		SD	<1				

21 LITTER=

22 LOGS=

23 RATIO DEAD : LIVE TREES=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (11/10/85)

OBSERVER(s) A.C. NAPIER

QUADRAT LOCATION: () () ()

AMG zone Eastings Northings

or

(331300) (115440)

Lat(deg/min/sec) Long(deg/min/sec)

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: AUSTRALINA

DISTANCE (Kms) 6.5

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	3	—
IN FULL	KEMERTON	THREE	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

GEOLOGICAL SURFACE CODE: () from geological map

LANDFORM: (3)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (> 256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y (munsell)

- Depth (mm): A () B ()

- Comments: .
.
.

- Soil sample Number: ()

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (5) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (2)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS: Burnt within the previous 2 years. Wildflower (Stylidium) harvesting carried out in area.

4 OBSERVER(S): A. C. NAPIER 5 DATE: [11/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code KEM 1 4 1
in full KEMERTON 1 FOUR 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover

1. [M / r] 2. [LA / C] 3. [SD / i] 4. [J / r] 5. [/] 6. [/] 7. [/] 8. [/]

9 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		LA	10				
	<i>Euc. calophylla</i>		M	5				
	<i>Banksia alternata</i>		LA/LB	22				
	<i>B. grandis</i>		LA	1				
	<i>Phlebocarya ciliatum</i>		J	5				
	<i>Hibbertia hypericoides</i>		SD	5				
	<i>Bossia ericarpa</i>		SD	3				
	<i>Gompholobium tomentosum</i>		SD	<1				
	<i>Conostylis aculeata</i>		J	2				
	<i>Hemiarde pungens</i>		SD	1				
	<i>Acacia stenoptera</i>	28	SD	1				
	<i>Lyginia barbata</i>		VL	1				
	<i>Petrophile linearis</i>		SD	1				
	<i>Dasyphora bromeliifolia</i>		SD	2				
	<i>Tetradlea aff. hirsuta</i>	29	SD	1				
	<i>Hibbertia racemosa</i>		SD	1				
	<i>Conostylis juncea</i>		J	1				
	<i>Acacia pulchella</i>	30	SD	2				
	<i>Macrozamia neidleri</i>		SC	1				
	<i>Phyllanthus calycinus</i>		SD	2				
	<i>Astilbe ciliatum</i>		SD	1				

21 LITTER=

22 LOGS=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (11/10/85)

OBSERVER(s) A.C. NAPIER

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331330) (1154400)
Lat(deg/min/sec) Long(deg/min/sec)

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	4	—
IN FULL	KEMERTON	four	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: ANSTRUTHER

DISTANCE (Kms) 6.3

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: () from geological map

LANDFORM: (3)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (>256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y
(munsell)

- Depth (mm): A () B ()

- Comments:

- Soil sample Number: ()

DISTURBANCE: (L) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (5)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS:

4 OBSERVER(S): A.C. NAPIER 5 DATE: [12 / 10 / 85] 1 camp 2 quad 3 patch
 10 PHOTO: roll [] frame [] code: KEM 5 1 — 1
 in full: KEMERTON 1 FIVE 1 — 1

VEGETATION: KEMERTON SURVEY (OCT 85)
 C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA / i] 2. [SC / C] 3. [SD / i] 4. [J / r] 5. [V4 / r] 6. [/] 7. [/] 8. [/]

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		LA	8				
	<i>Enc. calophylla</i>		M	<2				
	<i>Banksia attenuata</i>		LA	5				
	<i>Xylomelum occidentale</i>		LA	3				
	<i>Melaleuca thymoides</i>		SC	7				
	<i>Xanthorrhoea ? gracilis</i>		SC	40				
	<i>Hibbertia hypericoides</i>		SD	5				
	<i>Bossiaea micarpa</i>		SA	3				
	<i>Phlebocarya ciliatum</i>		J	2				
	<i>Leuca pulchella</i>		SD	<1				
	<i>Dasyglossa boneliifolia</i>		SA	1				
	<i>Coleostasia apnea</i>	31	SA	<1				
	<i>Crostylis juncea</i>		J	2				
	<i>Crostylis canbata</i>		J	2				
	<i>Macroglossa niedleri</i>		SC	2				
	<i>Hemionda pungens</i>		SD	2				
	<i>Xanthosia huegelii</i>		SD	<1				
	<i>Crotophaga pendulum</i>	32	SD	1				
	<i>Scorpius linearis</i>		SA	1				
	<i>Calyptix planescens</i>		SA	1				

21 LITTER=

22 LOGS=

23 RATIO DEAD : LIVE TREES=

C A. L. M.

DATE: (11 / 10 / 85)

OBSERVER(s) A. C. NAPIER

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331330) (115440)
Lat(deg/mins/sec) Long(deg/min/sec)

	CAMPSITE	QUADRAT	PATCH
CODED	KEM	5	—
IN FULL	KEMERTON	FIVE	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: Ausra

DISTANCE (Kms) 6.3

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: (- - - -) from geological map

LANDFORM: (3)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (> 256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y (munsell)

- Depth (mm) : A (____) B (____)

- Comments:

.....

.....

.....

- Soil sample Number: (- - -)

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (5)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS:

4 OBSERVER(S): A.C. NAPLER 5 DATE: [12/10/85] 1 camp 2 quad 3 patch
10 PHOTO: roll [] frame [] code: KEM 6 1 1
in full: KEMERTON 1 SIX 1 1

VEGETATION: KEMERTON SURVEY (OCT 85)
C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [M / v] 12. [LA / v] 13. [SC / r] 14. [SD / r] 15. [J / r] 16. [VL / r] 17. [/] 18. [/]

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus calophylla</i>		M	10				
	<i>Agonis flexuosa</i>		LA	15				
	<i>Banksia attenuata</i>		LA	5				
	<i>Banksia grandis</i>		LB	<1				
	<i>Pelargonium capitatum</i>	33	SD	1				INTRODUCED
	<i>Jacksonia fuscicollata</i>		SC	2				
	<i>Phyllanthus calycinus</i>		SD	1				
	<i>Hibbertia hypericoides</i>		SD	2				
	<i>Hibbertia racemosa</i>		SD	1				
	<i>Adenanthos meisneri</i>		SD	2				
	<i>Phlebotocarya ciliatum</i>		J	1				
	<i>Lepidosperma angustatum</i>		VL	1				
	<i>Lomandra suaveolens</i>	133	J	<1				
	<i>Pelargonium littorale</i>	134	SD	<1				
	<i>Opascularia hispidula</i>	135	SC/SD	1				
	<i>Helipterum costale</i>		J	<1				
	<i>Acacia pulchella</i>		SD	<1				
	<i>Sorbaea laxiflora</i>		J	<1				

21 LITTER=
22 LOGS=
23 RATIO DEAD : LIVE TREES=

PHYSICAL ENVIRONMENT AS FOR SITE 5

10 PHOTO: roll [__] frame [_____] code: KEM: 7 | — |

 in full: KEMERTON: SEVEN | — |

VEGETATION: KEMERTON SURVEY (OCT 85)
C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [M / r] 2. [LG / r] 3. [S / c] 4. [SB / r] 5. [SC / r] 6. [SD / r] 7. [VT / r] 8. [VL / r]

8 CONDITION: [3] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus rudis</i>		M	8				
	<i>Acacia saligna</i>		S	<50%				% very variable
	<i>Acacia pulchella</i>		SC	5				
	<i>Melaleuca preissiana</i>		LB	3				
	<i>Melaleuca teretifolia</i>	141	SA	10				
	<i>Jacksonia spicellata</i>		SB	3				
	<i>Lecheaanthia biloba</i>	136	SD	1				
	<i>Juncus pallidus</i>	142	VT	5				
	<i>Bauera grisea</i>	143	VL	7				
	<i>Lepidosperma corymbosum</i>		VT	5				
	<i>Pelargonium capitatum</i>		SD	2				INTRODUCED
	<i>Nillsonia ? obiflora</i>	144		7				
	<i>Banksia littoralis</i>		LA	1				
	<i>Banksia grandis</i>		LB	<1				
	<i>Kennedia prostrata</i>		SD	1				
	<i>Dawsonia arborescens</i>	140		1				
	<i>Thysanotus multiflorus</i>	138	J	<1				
	<i>Hovea purpurea</i>		SC	2				

21 LITTER=

22 LOGS=

23 RATTIN DEAD : 1 TUE TREES=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (12/10/85)

OBSERVER(s) A.C. MAPLER

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331330) (1154400)
Lat(deg/min/sec) Long(deg/min/sec)

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	7	—
IN FULL	KEMERTON	Seven	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: Australia

DISTANCE (Kms) 6.8

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: () from geological map

LANDFORM: (19)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (>256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y (munsell)

- Depth (mm): A () B ()

- Comments:

- Soil sample Number: ()

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (1)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS:

damp area surrounding waterholes in interdune
dune -

4 OBSERVER(S): A. C. NAPIER 5 DATE: [12/10/85] 1 camp 2 quad 3 patch
 10 PHOTO: roll [] frame [] code: KEM 8 1 — 1
 in full: KEMERTON 1 EIGHT 1 — 1

VEGETATION: KEMERTON SURVEY (OCT 85)
 C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [M / r] 2. [LA / i] 3. [SC / i] 4. [SD / i] 5. [J / r] 6. [VL / r] 7. [/] 8. [/]

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		LA/m	13				
	<i>Banksia attenuata</i>		LA	20				
	<i>Xylomelum occidentale</i>		LA	3				
	<i>Xanthorrhoea zigzagalis</i>		SC	5				
	<i>Stillingia latifolia</i>		SC	5				
	<i>Melaleuca thyrsoides</i>		SC/SD	10				
	<i>Petrophile linearis</i>		SD	2				
	<i>Leucopogon carinatus</i>	35	SD	1				
	<i>Boronia eriocarpa</i>		SD	2				
	<i>Conostylis aculeata</i>		J	1				
	<i>Conospermum divigatum</i>		SC	21				
	<i>Phlebocarya ciliatum</i>		J	3				
	<i>Hibbertia hypericoides</i>		SD	3				
	<i>Tetradlea aff. hisida</i>	153	SD	21				
	<i>Hibbertia racemosa</i>		SD	2				
	<i>Leucopogon propinquus</i>	198	SC	2				
	<i>Eriostemon spicatus</i>		SD	1				
	<i>Ipomoea divaricata</i>	147	SB	1				
	<i>Personia aegleata</i>	148	SC	1				

21 LITTER= *Myrsine ciliatum*
 22 LOGS= *Dampiera linearis*
 23 RATIO DEAD : LIVE TREES=

C. A. L. M.

DATE: (12/10/85)

OBSERVER(s) A. C. NAPIER

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331200) (1154430)
Lat(deg/mins/sec) Long(deg/min/sec)

	CAMPSITE	QUADRAT	PATCH
CODED	KEM	8	—
IN FULL	KEMERTON	EIGHT	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) $1 = 1''/30m$ $2 = 10''/300m$ $3 = 30''/900m$ $4 = 1'/1.8 \text{ Km}$ $5 = 10'/18 \text{ Km}$ $6 = 30'/54 \text{ Km}$

NEAREST NAMED PLACE: Australia

DISTANCE (Kms) 8.6

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: (- - - -) from geological map

LANDFORM: (3)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (> 256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y (munsell)

- Depth (mm) : A (____) B (____)

- Comments:

.....

.....

.....

- Soil sample Number: (- - -)

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (5)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS: Some limbs removal has occurred

4 OBSERVER(S): A.C. NAPIOR 5 DATE: [12/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code: KEM 1 9 1 1
in full: KEMERTON 1 NINE 1 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA/C] 2. [SC/r] 3. [SD/C] 4. [J/r] 5. [VL/r] 6. [] 7. [] 8. []

8 CONDITION: [3] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		LA	40				
	<i>Banksia attenuata</i>		LA	5				
	<i>Melaleuca thymoides</i>		SD	30				
	<i>Xanthorrhoea gracilis</i>		SC	22				
	<i>Jacksonia sternbergiana</i>	161	SB	41				
	<i>Asteranthus meisneri</i>		SD	2				
	<i>Stirlingia latifolia</i>		SC	5				
	<i>Hibbertia hypericoides</i>		SD	5				
	<i>Dampiera linearis</i>		SD	1				
	<i>Petrophile linearis</i>		SD	1				
	<i>Dasypogon bromeliifolius</i>		SD	1				
	<i>Astiloma pallidum</i>		SD	41				
	<i>Acacia wilsoniana</i>		SD	41				
	<i>Daviesia divaricata</i>		SB	41				
	<i>Tetralochea aff. hirsuta</i>		SC	1				
	<i>Leucopogon scoparius</i>		SC	1				
	<i>Lycopodium complanatum</i>		SD	1				
	<i>Lyginia barbata</i>		VL	2				
	<i>Phlebotoma citrinum</i>		J	5				
	<i>Boronia serotina</i>		SD	41				

21 LITTER=

22 LOGS=

PHYSICAL ENVIRONMENT AS FOR SITE 8

4 OBSERVER(S): A.C. NAPIER 5 DATE: [12/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code KEM 1 10 1 1
in full KEMERTON 1 TEN 1 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA/] 2. [LB/] 3. [SB/] 4. [SC/] 5. [SD/] 6. [VL/] 7. [J/] 8. []

9 CONDITION: [4] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Banksia littoralis</i>		LA	22				
	<i>Myrtus floribunda</i>		LA	22				
	<i>Eucalyptus marginata</i>		LA	3				
	<i>Jacksonia pulcellata</i>		SB	5				
	<i>Banksia alternata</i>		LB	2				
	<i>Melaleuca preissiana</i>		LA	7				
	<i>Acacia pulchella</i>		SC	2				
	<i>Hibbertia racemosa</i>		SD	1				
	<i>Leucopogon prostratus</i>	166	SC	41				
	<i>Gonophlebium tomentosum</i>		SD	41				
	<i>Adenanthos meisneri</i>		SD	2				
	<i>Corostylis aculeata</i>		J	1				
	<i>Hemindra pungens</i>		SD	41				
	<i>Baearea viscosa</i>		SD	1				
	<i>Parentiella viscosa</i>		SD	3				INTRODUCED
	<i>Parentiella latifolia</i>		J	1				"
	<i>Silene gallica</i>		J	41				"
	<i>Kennedia prostrata</i>		SD	41				
	<i>Hypolaena exsulca</i>	129	VL	3				

21 LITTER=

22 LOGS=

23 BATED BEAR 24 UP TREES

с д. б. м.

DATE: (12/10/85)

OBSERVER(s) A. C. NAPLER

AMG zone	Eastings	Northings
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or

(331330) (1154400)
Lat(deg/mins/sec) Long(deg/min/sec)

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	18	—
IN FULL	KEMERTON	TEN	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: *Ans Malindi*

DISTANCE (Kms) 6.4

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: (- - - - -) from geological map

LANDFORM: (7)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (> 256 mm) 4 = none apparent

SURFACE CONDITION: (3) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y
(munsell)

- Depth (mm) : A (_ _ _) B (_ _ _)

- Comments:

.....

.....

- Soil sample Number: (- - -)

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (1)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS:..... Hundreds of deer and swamp. Semi-cleared.

4 OBSERVER(S): A.C. NAPIER 5 DATE: [14/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code: KEM 11 1 in full: KEMERTON 1 ELEVEN 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [M/V] 2. [LA/V] 3. [SC/V] 4. [SD/V] 5. [J/V] 6. [VL/V] 7. [] 8. []

8 CONDITION: [] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		M/LA	10				
	<i>E. calophylla</i>		LA	5				
	<i>Banksia grandis</i>		LA	<2				
	<i>B. attenuata</i>		LA	10-15				
	<i>Psoralea longifolia</i>		LB	<1				
	<i>Phlebocarya ciliata</i>		J	10				
	<i>Hibbertia hypericoides</i>		SD	5				
	<i>Bossiaea eriocarpa</i>		SD	2				
	<i>Dasyglossa bracteifolia</i>		SD	2				
	<i>Crotylis aculeata</i>		J	2				
	<i>Lygia barbatula</i>		VL	10				
	<i>Lencopogon propinquus</i>		SC	2				
	<i>Macrozamia medleyi</i>		SC	3				
	<i>Hibbertia racemosa</i>		SD	3				
	<i>Dampiera linearis</i>		SD	1				
	<i>Eriostemon spicatus</i>		SD	<1				
	<i>Acacia flagelliformis</i>	238	SD	<1				
	<i>Xylomelum occidentale</i>		LA	1				
	<i>Jacksonia swartzii</i>		SC	1				

21 LITTER= *Aspaloma pallidum*
22 LOGS= *melaleuca thymoides*
Loxocarya flexuosa

PHYSICAL ENVIRONMENT AS FOR SITE 8

4 OBSERVER(S): A.C. NAPIER 5 DATE: [18/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code KEM 12 1
in full KEMERTON TWELVE 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA/C] 2. [SA/r] 3. [SB/r] 4. [SC/i] 5. [SD/i] 6. [VL/r] 7. [] 8. []

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus decipiens</i>		LA	20				
	<i>Agonis flexuosa</i>		LA	30				
	<i>Hakea prostrata</i>		SA	5				
	<i>Jacksonia spicellata</i>		SB	8				
	<i>Phyllanthus calycinus</i>		SD	15				
	<i>Daviesia divaricata</i>	187	SC	3				
	<i>Thomasia foliosa</i>	116	SA	4				
	<i>Petrophile linearis</i>		SD	1				
	<i>Hibbertia hypericoides</i>		SD	2				
	<i>Croosyliis aculeata</i>		J	1				
	<i>Xanthorrhoea gracilis</i>		SC	4				
	<i>Kennedia prostrata</i>		SD	<1				twines
	<i>Azorella polymorpha</i>		SD	<1				
	<i>Homorhiza micrantha</i>	189	J	<1				
	<i>Homorhiza hermaphrodita</i>	193	J	<1				
	<i>Banksia grandis</i>		LA	<2				
	<i>Gymphalobium torulosum</i>		SD	1				
	<i>Macroglossa neldlei</i>		SC	3				
	<i>Isotria medeoloides</i>		SD	<1				

21 LITTER=

22 LOGS=

23 RATIOS DEAD

4
OBSERVER(S): A. C. NAPIER 5
DATE: [18 / 10 / 85] 1 camp 2 quad 3 patch

10 PHOTO: roll [__] frame [_____] code: KEM | 12 | — |
 in full: KEMERTON | TWELVE | — |

VEGETATION: KEMBERTON SURVEY (OCT 85.)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. / 2. / 3. / 4. / 5. / 6. / 7. / 8. /

8 CONDITION: [] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

[illegible]

21 LITTER=

22 LOGS=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (18/10/85)

OBSERVER(s) A.C. NAPIER

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331330) (1154430)
Lat(deg/min/sec) Long(deg/min/sec)

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	12	—
IN FULL	KEMERTON	TWELVE	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1"/1.8 Km 5 = 10"/18 Km 6 = 30"/54 Km

NEAREST NAMED PLACE: AUSTRALIA

DISTANCE (Kms) 6.4

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: (- - - -) from geological map

LANDFORM: (9)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (> 256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y
(munsell)

- Depth (mm): A () B ()

- Comments:

- Soil sample Number: (- - -)

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (5)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS: Shallow limestone ridge running parallel to coast.

4 OBSERVER(S): A.C. NAPIER 5 DATE: [18/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code: KEM 13 1
in full: KEMERTON THIRTEEN 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA/C] 2. [S/r] 3. [SB/r] 4. [SC/r] 5. [SD/r] 6. [] 7. [] 8. []

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus decipiens</i>		LA	15				
	<i>Agonis flexuosa</i>		LA	15				
	<i>Banksia grandis</i>		LA	5				
	<i>Banksia attenuata</i>		LA	<2				
	<i>Hakea portulacastrum</i>		S	10				percentage cover %
	<i>Macrozamia reidei</i>		SC	3				
	<i>Hibbertia hypericoides</i>		SD	3				
	<i>Sesuvium dimorpha</i>		SC	3				
	<i>Phyllanthus calycinus</i>		SD	2				
	<i>Conostylis aculeata</i>		J	1				
	<i>Gnaphalium pulchellum</i>		SC	2				
	<i>Hemionia frutescens</i>		SD	<1				
	<i>Syntherisma polytricha</i>		SA	<1				
	<i>Thomasia foliosa</i>		SD	2				
	<i>Homocidus sanderi</i>		J	<1				
	<i>Cracca lochlearis</i>		SB	<10				
	<i>Petrophile linearis</i>		SD	<1				
	<i>Hibbertia racemosa</i>		SD	1				
	<i>Hypolaena exsulca</i>		VL	1				

21 LITTER=

22 LOGS=

②

10 PHOTO: roll [__] frame [_____] code: KEM | 13 | — |
in full: KEMERTON | THIRTEEN | — |

VEGETATION: KEMBERTON SURVEY (OCT 85.)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA / c] 2. [S / r] 3. [SB / r] 4. [SC / r] 5. [SD / r] 6. [~~TE~~ /] 7. [/] 8. [/]

8 CONDITION: [] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

[illegible]

21 LITTER=

22 LOGS=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (19/10/85)

OBSERVER(s) ACN

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331300) (1154430)
Lat(deg/min/sec) Long(deg/min/sec)

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: .. Australia ..

DISTANCE (Kms) .. 6.3 ..

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	13	—
IN FULL	KEMERTON	1	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

GEOLOGICAL SURFACE CODE: (- - - -) from geological map

LANDFORM: (3)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (>256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y
(munsell)

- Depth (mm) : A () B ()

- Comments:
.....
.....

- Soil sample Number: (- - -)

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (5)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS: .. in front for some time .. limestone ridge ..

4 OBSERVER(S): A. C. NAPIER 5 DATE: [18/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code: KEM 14 1 in full: KEMERTON 1 FOURTEEN 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA/i] 2. [SA/B] 3. [SC/i] 4. [SD/i] 5. [J/r] 6. [] 7. [] 8. []

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 S E W	19 N E A	20 D %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		LA	5				
	<i>Xylomelum occidentale</i>		LA	3				
	<i>Banksia attenuata</i>		LA	10				
	<i>Myrtus floribunda</i>		LA	1				
	<i>Allocasuarina humilis</i>		SA/B	5				
	<i>Melaleuca thymoides</i>		SD	7				
	<i>Stirlingia latifolia</i>		SC	<6				
	<i>Xanthorrhoea gracilis</i>		SC	2				
	<i>Phlebocarya alata</i>		J	3				
	<i>Conostylis aculeata</i>		J	<1				
	<i>Heteroxera cirenea</i>		VL	<1				
	<i>Dasyphora boreliophila</i>		SD	2				
	<i>Acacia mearnsii</i>	208	SD	<1				
	<i>Borreria eriocarpa</i>		SD	1				
	<i>Hibbertia racemosa</i>		SD	2				
	<i>Hibbertia hypericoides</i>		SD	5				
	<i>Jacksonia scanbergiana</i>		SC	2				
	<i>Calyx planifolius</i>		SD	1				
	<i>Hemibara purpurea</i>		SD	4				
	<i>Acacia stenoptera</i>		SD	<1				
21 LITTER=	<i>Pterocarya occidentalis</i>	207	J	1				
22 LOGS=								

PHYSICAL ENVIRONMENT AS FOR SITE 4

4 OBSERVER(S): ... A.C. NAPIER ... 5 DATE: [19/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code KEM 1 15 1
in full KEMERTON 1 FIFTEEN 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA/1] 2. [SC/1] 3. [SD/1] 4. [J/1] 5. [VL/1] 6. [] 7. [] 8. []

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		LA	15				
	<i>Banksia alternata</i>		LA	10				
	<i>Melaleuca thymoides</i>		SD	5				
	<i>Xanthorrhoea gracilis</i>		SC	5				
	<i>Davisia divaricata</i>		SC	2				
	<i>Boronia eriocarpa</i>		SD	3				
	<i>Gompholobium polymorpha</i>		SD	<1				
	<i>Acacia stenoptera</i>		SD	<1				
	<i>Eriostemon spicatus</i>		SD	1				
	<i>Hibbertia hypericoides</i>		SD	5				
	<i>Gompholobium tomentosum</i>		SD	1				
	<i>Diospyros bracteifolia</i>		SD	3				
	<i>Phlebocarya ciliata</i>		J	3				
	<i>Calyptix flavescens</i>		SD	1				
	<i>Patersonia occidentalis</i>		J	<1				
	<i>Petrophile linearis</i>		SD	1				
	<i>Hibbertia racemosa</i>		SD	2				
	<i>Homalium</i> sp.		J	<1				
	<i>Acacia wilderowiana</i>		SD	<1				

21 LITTER= *Hypholeuca exsulca*
22 LOGS= *Hovea trispurpurea*
Myrtus barbata

PHYSICAL ENVIRONMENT AS FOR SITE 8

4 OBSERVER(S): ... A. C. NAPIER ... 5 DATE: [18/10/85] 1 camp 2 quad 3 patch
 10 PHOTO: roll [] frame [] code KEM 16 1
 in full KEMERTON SIXTEEN 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover

1. [LA / i] 2. [SC / r] 3. [SA / i] 4. [J / r] 5. [VL / r] 6. [/] 7. [/] 8. [/]

8 CONDITION: [3] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		LA	10				
	<i>E. calophylla</i>		LA	5				
	<i>Banksia attenuata</i>		LA	5				
	<i>B. grandis</i>		LA	<2				
	<i>Agonis flexuosa</i>		LA	2				
	<i>Hibbertia hypericoides</i>		SD	5				
	<i>H. racemosa</i>		SD	3				
	<i>Macrozamia redbellii</i>		SC	3				
	<i>Melaleuca thymoides</i>		SD	4				
	<i>Petrophile linearis</i>		SD	1				
	<i>Cratylis juncea</i>		J	1				
	<i>Hypolaena exsorda</i>		VL	1				
	<i>Leucopogon polymorpha</i>		SD	<1				
	<i>Leucopogon propinquus</i>		SC	2				
	<i>Lepidosperma angustatum</i>		VL	3				
	<i>Opercularia hispida</i>		SD	<1				
	<i>Acropora linearis</i>		SD	<1				
	<i>Aspalathus pallidum</i>		SD	<1				
	<i>Lomandra micrantha</i>		J	2				
	<i>Xanthoria pusilla</i>		SD	<1				

21 LITTER=

22 LOGS=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (18/10/85)

OBSERVER(s) A.C. NAPIER

QUADRAT LOCATION: () () ()

AMG zone Eastings Northings

or

(331200) (1154400)
Lat(deg/min/sec) Long(deg/min/sec)

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1"/1.8 Km 5 = 10"/18 Km 6 = 30"/54 Km

NEAREST NAMED PLACE: AUSTRALIA

DISTANCE (Kms) 7.5

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	16	—
IN FULL	KEMERTON	SIXTEEN	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

GEOLOGICAL SURFACE CODE: (- - - -) from geological map

LANDFORM: (20)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (>256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y (munsell)

- Depth (mm): A () B ()

- Comments:
.....
.....

- Soil sample Number: (- - -)

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (5) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (1)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS:

Open woodland with very low and shrub layer
Considerable wood cutting has occurred in the past and grazing
has also occurred.

4 OBSERVER(S): A-C. NASIER 5 DATE: [19/10/85] 1 camp 2 quad 3 patch
10 PHOTO: roll [] frame [] code: KEM | 17 | — |
in full: KEMERTON | SEVENTEEN | — |

VEGETATION: KEMBERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA / r] 2. [LB / i] 3. [SC / i] 4. [SD / i] 5. [VL / r] 6. [/] 7. [/] 8. [/]

8 CONDITION: [3] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Banksia ilicifolia</i>		LB	15				
	<i>Eucalyptus nedis</i>		LA	5				
	<i>Melaleuca preissii</i>		LA	3				
	<i>Acacia pulchella</i>		SC	5				
	<i>Platytheca galioides</i>		SC	2				
	<i>Jacksonia foveolata</i>		SC	3				
	<i>Melaleuca thymoides</i>		SC/D	8				
	<i>Adenanthos meisneri</i>		SD	15				
	<i>Hibbertia vaginata</i>		SD	2				
	<i>Pterospora occidentalis</i>		J	<1				
	<i>Ascardea fascicularis</i>		SC	<1				
	<i>Hygienia barbatula</i>		VL	2				
	<i>Baumea juncea</i>		VL	6				
	<i>Lepidosperma costale</i>		VL	2				
	<i>Crostylis aculeata</i>		J	1				

21 LITTER=

22 LOGS=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (19/10/85)

OBSERVER(s) A.C. MORTON

QUADRAT LOCATION: () () ()

AMG zone Eastings Northings

or

(331200) (1154400)

Lat(deg/min/sec) Long(deg/min/sec)

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: Australia

DISTANCE (Kms) 8.0

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	17	—
IN FULL	KEMERTON	SEVENTEEN	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

GEOLOGICAL SURFACE CODE: () from geological map

LANDFORM: (19)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (> 256 mm) 4 = none apparent

SURFACE CONDITION: (3) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y (munsell)

- Depth (mm): A () B ()

- Comments:

- Soil sample Number: ()

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (2)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS:

Area along a firebreak cleared around a shallow dry swamp.

4 OBSERVER(S): ... A. C. NAPLES ... 5 DATE: [19/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code: KEM 18 1 1
in full: KEMERTON 1 EIGHTEEN 1 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [M / i] 2. [LA / i] 3. [SB / C] 4. [SC / i] 5. [SD / r] 6. [VT / r] 7. [VL / r] 8. [/]

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus calophylla</i>		M	13				
	<i>Banksia ilicifolia</i>		LA	2-6				
	<i>B. grandis</i>		LA	45				
	<i>Melaleuca preissiana</i>		LA	42				
	<i>Banksia littoralis</i>		LA	42				
	<i>Gastropia fascicularis</i>		SB/3	35				
	<i>Adenanthos meisneri</i>		SC	5				
	<i>Burmannia acabra</i>	223	SB	5				
	<i>Hypocalymma angustifolium</i>		SC	5				
	<i>Hibbertia vaginata</i>		SD	2				
	<i>Platytheca galioides</i>		SD	2				
	<i>Acacia semitruncata</i>		SD	2				
	<i>Stylidium juncea</i>		SC	41				
	<i>Dampiera linearis</i>		SD	41				
	<i>Jacksoniaowellata</i>		SC	2				
	<i>Leptospermum ellipticum</i>		SB	2				
	<i>Logania serpyllifolia</i>		SD	2				
	<i>Borivaea eriocarpa</i>		SA	1				
	<i>Achoerum rodwayanum</i>	224	VE	4				
	<i>Honea trisperma</i>		SC	41				
21 LITTER=	<i>Lepidosperma costale</i>		VL	2				
22 LOGS=								

PHYSICAL ENV. AS FOR SITE 17

①

4 OBSERVER(S): A. C. NAPIER 5 DATE: [19/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code KEM 1 19 1

in full KEMERTON 1 NINETEEN 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover

1. [LA/C] 2. [SC/R] 3. [SD/R] 4. [] 5. [] 6. [] 7. [] 8. []

8 CONDITION: [4] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		LA	30				
	<i>Agonis flexuosa</i>		LA	5				
	<i>Banksia attenuata</i>		LA	7				
	<i>B. ilicifolia</i>		LA	5				
	<i>Eucalyptus calophylla</i>		M/LA	1				
	<i>Xanthorrhoea gracilis</i>		SC	7				
	<i>Melaleuca thymoides</i>		SD	25				
	<i>Leptospermum ellipticum</i>		SC	1				
	<i>Xanthosia pusilla</i>		SD	<1				
	<i>Hibbertia vaginata</i>		SD	<1				
	<i>Hypocalymma argustifolium</i>		SD	1				
	<i>Calytrix flavescens</i>		SD	<1				
	<i>Dampiera linearis</i>		SD	<1				
	<i>Tetraloaea hirsuta</i>		SD	<1				
	<i>Lanadrea sanderi</i>	229	ST	<1				
	<i>Boronia dichotoma</i>	37	SC	<1				
	<i>Conosiphium peissii</i>		SD	<1				
	<i>Baumea Schoenus</i> sp.		VL	<1				
	<i>Leucopogon carinatus</i>		SD	<1				
	<i>Gompholabium polymorpha</i>	38	SD	<1				

21 LITTER=
22 LOGS=

4
OBSERVER(S): A. C. NAPIER 5
DATE: [/ /] 1 camp 2 quad 3 patch

10 PHOTO: roll [__] frame [_____] code: KEM | 19 |

in full: KEMERTON | NINETEEN | —

VEGETATION: KEMBERTON SURVEY (OCT 85.)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1.1 / 12.1 / 13.1 / 14.1 / 15.1 / 16.1 / 17.1 / 18.1 /

8 CONDITION: [4] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

[illegible]

21 LITTER=

22 LOGS=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (19/10/85)

OBSERVER(s): A.C. NAPIER

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331330) (1154530)
Lat(deg/min/sec) Long(deg/min/sec)

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: Australia

DISTANCE (Kms) 7.6

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	19	—
IN FULL	KEMERTON	NINETEEN	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

GEOLOGICAL SURFACE CODE: (- - - -) from geological map

LANDFORM: (1)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (>256 mm) 4 = none apparent

SURFACE CONDITION: (3) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5Y 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y
(munsell)

- Depth (mm): A () B ()

- Comments:

- Soil sample Number: (- - -)

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (5) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (1)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS: low Jarak is mostly regrowth under very sparse
low fire or heavy grazing has reduced it.

4 OBSERVER(S): A. C. NAPIER 5 DATE: [19/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code: KEM 1 20 1 1
in full: KEMERTON 1 TWENTY 1 1

VEGETATION: KEMERTON SURVEY (OCT 85)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [SB/d] 2. [SU/r] 3. [VT/r] 4. [] 5. [] 6. [] 7. [] 8. []

8 CONDITION: [] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	Xanthorrhoea peissii		S	<1				
	Melaleuca peissiana		LA	1				
	~~Periclymenum~~ Leptospermum ellipticum		SB	80				
	Melaleuca incana	239	SB	5				
	Entolasia virgata	235	SB	2				
	Correa fasciculosa	245	SB	3				
	Gompholobium tomentosum		SC	1				
	Leucopogon australis	246	SC	2				
	Acacia flagelliformis	238	SC	<1				
	Minettia urvillei	248	SD	<1				
	Pterospora occidentalis	249	J	<1				
	Leptosperma angustatum		VL	1				
	Kennedia prostrata		SD	<1				creeper
	Conostylis aculeata		J	<1				
	Leptocarpus roylei		VT	10				
	Melaleuca teretifolia							
	Dampiera linearis							

21 LITTER=

22 LOGS=

23

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (19/10/85)

OBSERVER(s) .. A.C. NAPIOR ..

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331330) (1154530)
Lat(deg/min/sec) Long(deg/min/sec)

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	20	—
IN FULL	KEMERTON	TWENTY	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1"/1.8 Km 5 = 10"/18 Km 6 = 30"/54 Km

NEAREST NAMED PLACE: AUSTRALIA

DISTANCE (Kms) 7.5

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: () from geological map

LANDFORM: (2)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (>256 mm) 4 = none apparent

SURFACE CONDITION: (3) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y
(munsell)

- Depth (mm): A () B ()

- Comments:

- Soil sample Number: ()

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (5)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS: Low lying swamp extension area - now duned.
soil is peaty sand

4 OBSERVER(S): A. C. NAPIER 5 DATE: [24/10/85] 1 camp 2 quad 3 patch
 10 PHOTO: roll [] frame [] code KEM | 21 | — |
 in full KEMERTON | TWENTY ONE | — |

VEGETATION: KEMERTON SURVEY (OCT 85)
C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. LA 2. SC 3. SC 4. J 5. 1 6. 1 7. 1 8. 1

8 CONDITION: 3 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		LA	8				
	<i>Banksia attenuata</i>		LA	5				
	<i>Stirlingia latifolia</i>		SC	3				
	<i>Allocasuarina humilis</i>		SC	2				
	<i>Xanthorrhoea ? gracilis</i>		SC	4				
	<i>Hibbertia hypericoides</i>		SD	3				
	<i>Phelocarya ciliata</i>		J	2				
	<i>Banksia serotena</i>		SD	2				
	<i>Dampiera linearis</i>		SD	1				
	<i>Stachys angustifolia</i>	261	SC	<1				
	<i>Conostegium peissii</i>		SC	1				
	<i>Dryopteris fraxinifolia</i>		SD	2				
	<i>Persea saccata</i>		SC	<1				
	<i>Astilbea pallidum</i>		SD	<1				
	<i>Leucopogon carinatus</i>		SD	<1				
	<i>Calyx flavescent</i>		SD	<1				
	<i>Lygia barbata</i>		VL	1				
	<i>Lomandra hermaphrodita</i>		J	1				
	<i>Hibbertia sacra</i>		SD	1				
	<i>Lomandra micrantha</i>		J	<1				
	<i>Conospermum virgata</i>		SD	<1				

21 LITTER=
 22 LOGS=
 23 RATIO DEAD : LIVE TREES=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (24/10/85)

OBSERVER(s) A.C. NAPIER

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(3312.00) (1154430)
Lat(deg/min/sec) Long(deg/min/sec)

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	21	—
IN FULL	KEMERTON	Twenty one	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (2) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: Australia

DISTANCE (Kms) 8.0

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: () from geological map

LANDFORM: (3)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (>256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y (munsell)

- Depth (mm): A () B ()

- Comments:

- Soil sample Number: ()

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (5) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (1)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS:

jarrah has been logged previously and regrowth
from stumps has occurred. Understorey is fairly
sparse. Grazing has occurred.

4 OBSERVER(S): A.C. NAPIER 5 DATE: [24/10/85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code: KEM: 22 | — |

in full: KEMERTON | Twenty Two | — |

VEGETATION: KEMERTON SURVEY (OCT 85)
C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA/1] 2. [S/C] 3. [SB/1] 4. [SD/1] 5. [VL/1] 6. [] 7. [] 8. []

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Banksia ilicifolia</i>		LA	8				
	<i>Melaleuca leucadendron</i>		LA	8				
	<i>Kunzea vestita</i>		S	10-70				
	<i>Acacia pulchella</i>		SC	<1				
	<i>Hovea pungens</i>	295	SC	<1				
	<i>Jacksonia pulcellata</i>		SC	<1				
	<i>Adenanthos meisneri</i>		SD	<1				
	<i>Leptospermum ellipticum</i>		SB	20				
	<i>Gompholobium tomentosum</i>		SD	<1				
	<i>Acacia semitruncata</i>		SD	<1				
	<i>Hibbertia vaginata</i>		SD	2				
	<i>Genocarpus cordiger</i>	296	SD	<1				
	<i>Lyginia barbata</i>		VL	1				
	<i>Pennisetum pungens</i>		SD	2				
	<i>Phlebocarya ciliata</i>		J	1				
	<i>Hypolaena exsulca</i>		VL	1				
	<i>Acacia huegelii</i>		SD	<1				
	<i>Xanthosia pusilla</i>		SD	<1				
	<i>Stylidium juncea</i>		SC	<1				
	<i>Pterospora occidentalis</i>		J	<1				

21 LITTER=

22 LOGS=

23 RATIO DEAD : LIVE TREES=

PHYSICAL ENVIRONMENT AS FOR SITE 6

PHYSICAL ENVIRONMENT AS FOR SITE 20

4
OBSERVER(S): A. C. NAPIER 5
DATE: [24 10 85] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code: KFM 24 1 —

in full KEMERTON TWENTY FOUR

VEGETATION: KEMERTON SURVEY (OCT 85)
C.A.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA / C] 2. [SB / C] 3. [SC / r] 4. [SO / r] 5. [/] 6. [/] 7. [/] 8. [/]

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Banksia attenuata</i>		LA	20				
	<i>B. ilicifolia</i>		LA	20				
	<i>Eucalyptus calophylla</i>		M	1				
	<i>Melaleuca peissigera</i>		LB	1				
	<i>Jackmania pumila</i>		SC	<1				
	<i>Ploriclymna ellipticum</i>		SB	30				
	<i>Xanthorrhoea ? gracilis</i>		SC	5				
	<i>Dasyphora bromeliifolia</i>		SD	3				
	<i>Asteria fascicularis</i>		SB	<1				
	<i>Hypocalymma argustifolium</i>		SC	1				
	<i>Melaleuca thymoides</i>		SD	<1				
	<i>Jackmania strobilifera</i>		SC	<1				
	<i>Hibbertia racemosa</i>		SD	1				
	<i>Tetradlea aff. hirsuta</i>		SD	<1				
	<i>Hibbertia paginata</i>		SD	<1				
	<i>Pterospora occidentalis</i>		J	<1				

21 LITTER=

22 LOGS=

23 RATIO DEAD : LIVE TREES=

C.A.L.M.

DATE: (24, 10, 85)

OBSERVER(s) A. C. NAPIER

QUADRAT LOCATION: () () ()
 AMG zone Eastings Northings

or

(331330) (1154500)
Lat(deg/mins/sec) Long(deg/min/sec)

	CAMPSITE	QUADRAT	PATCH
CODED	KEM	24	—
IN FULL	KEMERTON	Twenty four	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: AUSTRALIA

DISTANCE (Kms) 7.0

DIRECTION FROM PLACE (N) N, NW, W, SW, S, SE, E, NE

GEOLOGICAL SURFACE CODE: (- - - -) from geological map

LANDFORM: (/)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (> 256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y (munsell)

- Depth (mm) : A (_____) B (_____)

- Comments:

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.....

.....

- Soil sample Number: (- - -)

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (5)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS:

4 OBSERVER(S): A.C. NAPIER 5 DATE: [24/10/85] 1 camp 2 quad 3 patch
 10 PHOTO: roll [] frame [] code: KEM 25
 in full: KEMERTON TWENTY FIVE

VEGETATION: KEMERTON SURVEY (OCT 85)
 C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA / 1] 2. [SC / 1] 3. [SD / 1] 4. [VL / 1] 5. [] 6. [] 7. [] 8. []

8 CONDITION: [] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		LA	13				
	<i>Xylomelum occidentale</i>		LA	2				
	<i>Banksia attenuata</i>		LA	4				
	<i>Acacia pulchella</i>		SC	3				
	<i>Melaleuca thymoides</i>		SD	4				
	<i>Boscia ericarpa</i>		SD	2				
	<i>Petrophile linearis</i>		SD	<1				
	<i>Hibbertia hypericoides</i>		SD	4				
	<i>Dasypogon bromeliifolius</i>		SD	3				
	<i>Eriostemon spicatus</i>		SC	<1				
	<i>Leucopogon coriatus</i>		SD	<1				
	<i>Jacksonia sternbergiana</i>		SB	1				
	<i>Tetatheca aff. hispidula</i>		SC	<1				
	<i>Xanthosia pusilla</i>		SD	<1				
	<i>Hemicleria pungens</i>		SD	1				
	<i>Hibbertia racemosa</i>		SD	1				
	<i>Acacia stenoptera</i>		SD	<1				
	<i>Lecheaulea biloba</i>		SD	<1				
	<i>Hypolaena laevis</i>		VL	1				

21 LITTER=

22 LOGS=

23 RATIO DEAD : LIVE TREES=

hygini barbata
 Loricaria integra
 Cereperum capillatum

278

J

SD

<1

<1

<1

PHYSICAL ENVIRONMENT

AS FOR SITE

4

4 OBSERVER(S): A.I.C. NAPIER 5 DATE: [25/10/85] 1 camp 2 quad 3 patch
 10 PHOTO: roll [] frame [] code KEM | 26 | — |
in full | KEMERTON | TWENTY SIX | — |

VEGETATION: KEMERTON SURVEY (OCT 85)
C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. M/R 12. LA/C 3. SC/R 14. / 15. / 16. / 17. / 18. /

8 CONDITION: [3] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		LA	10				
	<i>E. calophylla</i>		M/LA	8				
	<i>Agave flexuosa</i>		LA	10				
	<i>Banksia attenuata</i>		LA	45				
	<i>B. grandis</i>		LA	45				
	<i>Eucalyptus gomphocephala</i>		M	45				
	<i>Banksia ciliifolia</i>		LA	1				
	<i>Xanthorrhoea ? gracilis</i>		SC	2				
	<i>Hibbertia hypericoides</i>		SD	41				
	<i>Synaphaea polymorpha</i>		SD	41				
	<i>Kennedia prostrata</i>		SD	41				
	<i>Macrozamia seedleri</i>		SC	1				
	<i>Phleboargy ciliata</i>		ST	41				
	<i>Conostylis ? paniculata</i>		J	41				
	<i>Thysanotus dichotomus</i>		SD	41				
	<i>Pterisanthus occidentalis</i>		F	41				
	<i>Isotria medeoloides</i>		SD	41				
	<i>Eriostemon spicata</i>		SC	41				

21 LITTER=

22 LOGS=

23 RATIO DEAD : LIVE TREES=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (25/10/85)

OBSERVER(s) A. C. NAPIER

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331250) (1154400)
Lat(deg/min/sec) Long(deg/min/sec)

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	26	—
IN FULL	KEMERTON	Twenty six	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: AUSTRALIND

DISTANCE (Kms) 7.0

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: () from geological map

LANDFORM: (3)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (> 256 mm) 4 = none apparent

SURFACE CONDITION: (3) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y
(munsell)

- Depth (mm): A () B ()

- Comments:

- Soil sample Number: ()

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (5) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (1)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS: Has been heavily grazed in the past & much of the understorey has been eaten out.

4 OBSERVER(S): A. C. NAPIER 5 DATE: [25/6/86] 1 camp 2 quad 3 patch

10 PHOTO: roll [] frame [] code: KEM | 27 | — |

in full: KEMERTON | TWENTY SEVEN | — |

VEGETATION: KEMERTON SURVEY (OCT 85)
C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. LA/C 2. SC/R 3. SA/R 4. VL/R 5. [] 6. [] 7. [] 8. []

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Encalypta marginata</i>	LA	5					
	<i>E. calophylla</i>	LA	1					
	<i>Banksia ilicifolia</i>	LA	8					
	<i>B. attenuata</i>	LA	7					
	<i>Acacia plexuosa</i>	LA	10					
	<i>Myrtia flabundula</i>	LA	1					
	<i>Ciccia extensa</i>	S	41					
	<i>Xanthorrhoea ? gracilis</i>	SC	5					
	<i>Melaleuca thymoides</i>	SD	3					
	<i>Aderanthus meissneri</i>	SD	2					
	<i>Hibbertia hypericoides</i>	SD	2					
	<i>Phlebocarya ciliata</i>	J	<1					
	<i>Boronia leucocarpa</i>	SD	<1					
	<i>Lomandra micrantha</i>	J	<1					
	<i>Hemandra pungens</i>	SD	<1					
	<i>Lepidosperma crassatum</i>	VL	1					
	<i>Lomandra integrifolia</i>	J	<1					
	<i>Acacia semibulbosa</i>	SD	<1					
	<i>Leucopogon propinquus</i>	SC	1					
	<i>Platytheca galioides</i>	SD	<1					
	<i>Lyginia barbata</i>	VL	1					

21 LITTER=

22 LOGS=

23 DATA BEAR - LIME TREES

C. A. L. M.

DATE: (25 / 10 / 85)

OBSERVER(s)

QUADRAT LOCATION: () () ()
 AMG zone Eastings Northings

or

(331200) (1154400)
Lat(deg/mins/sec) Long(deg/min/sec)

	CAMPSITE	QUADRAT	PATCH
CODED	KEM	27	—
IN FULL	KEMERTON	Twenty seven	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: Australia

DISTANCE (Kms) 7.5

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: (- - - - -) from geological map

LANDFORM: (7)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (> 256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y (munsell)

- Depth (mm) : A (____) B (____)

- Comments:

.....

.....

.....

- Soil sample Number: (- - -)

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use
PAST: (5)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS: Surrounding areas between dunes of low lying / swamp

4
OBSERVER(S): A. C. NAPIOR 5
DATE: [25/10/85] 1 camp 2 quad 3 patch
10 PHOTO: roll [] frame [] code: KEM | 28 | |
in full: KEMERTON | TWENTY EIGHT | |

VEGETATION: KEMERTON SURVEY (OCT 85)
C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA / d] 2. [S / r] 3. [SB / r] 4. [SC / C] 5. [SD / r] 6. [VT / r] 7. [/] 8. [/]

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eusiphium marginata</i>		LA	30				
	<i>E. Calophylla</i>		LA	60				
	<i>Agonis flexuosa</i>		LA	3				
	<i>Pteridium aquilinum</i>		SC	<60				INTRO. from ?
	<i>Jacksonia preclarkii</i>		SC	2				
	<i>Acacia extensa</i>		SB	2				
	<i>Oxylobium leucolatum</i>	287	S	4				
	<i>Agonis linearifolia</i>	288	S	3				
	<i>Phacozama riddlei</i>		SC	6				
	<i>Sphaeralobium vimineum</i>	285	SB	1				
	<i>Thomasia paniculata</i>	289	SD	3				
	<i>Phebalium anceps</i>	291	S	2				
	<i>Lepidospermum gladiatum</i>		VT	4				
	<i>Dampiera ? linearis</i>		SA	1				
	<i>Stygidium zincii</i>		SC	<1				
	<i>Melaleuca preissiana</i>		LA	<5				

21 LITTER=

22 LOGS=

23 RATIO DEAD : LIVING TREES=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (25/10/85)

OBSERVER(s) A.C. NAPIER

QUADRAT LOCATION: () () ()
AMG zone Eastings Northings

or

(331200) (1154400)
Lat(deg/min/sec) Long(deg/min/sec)

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: Ans. 72 km

DISTANCE (Kms) 7.8

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	28	—
IN FULL	KEMERTON	Twenty eight	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

GEOLOGICAL SURFACE CODE: () from geological map

LANDFORM: (7)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (>256 mm) 4 = none apparent

SURFACE CONDITION: (5) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5R 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y
(munsell)

- Depth (mm) : A () B ()

- Comments:
.....
.....

- Soil sample Number: ()

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (3) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (5)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS: Area of dense regrowth as a result of fire or
clearing in the past. Dense stand of young
javanese + more

4 OBSERVER(S): A.C. NAPIOR 5 DATE: [26/10/85] 1 camp 2 quad 3 patch
 10 PHOTO: roll [] frame [] code: KEM | 29 | — |
 in full: KEMERTON TWENTY NINE | — |

VEGETATION: KEMERTON SURVEY (OCT 85)
 C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [LA/1] 2. [SC/1] 3. [SD/1] 4. [J/1] 5. [] 6. [] 7. [] 8. []

8 CONDITION: [2] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>E. marginata</i>		LA	10				
	<i>E. calophylla</i>		LA	<2				
	<i>Banksia attenuata</i>		LA	8				
	<i>B. grandis</i>		LA	<2				
	<i>Davallia divaricata</i>		SC	<2				
	<i>Macrozamia reidii</i>		SC	2				
	<i>Gompholobium tomentosum</i>		SD	2				
	<i>Saxifraga bronchialis</i>		SD	5				
	<i>Boswellia ericarpa</i>		SD	2				
	<i>Lepidosperma angustatum</i>		VL	<1				
	<i>Hibbertia hypericoides</i>		SD	3				
	<i>Acacia pulchella</i>		SC	2				
	<i>Croton aculeatus</i>		J	1				
	<i>Xanthorrhoea ? gracilis</i>		SC	2				
	<i>Petophrase linearis</i>		SD	<1				
	<i>Phlebocarya ciliata</i>		J	1				
	<i>Acacia stenoptera</i>		SD	<1				
	<i>Lomandra chamaesporidia</i>		J	<1				
	<i>Kennedia prostrata</i>		SD	<1				
	<i>Logania repylyfolia</i>		SD	<1				

21 LITTER=
 22 LOGS=
 23 RATIO DEAD : LIVE TREES=

PHYSICAL ENVIRONMENT AS FOR SITE 4

4
OBSERVER(S): A-C-NAPLES 5 DATE: [26/10/83] 1 camp 2 quad 3 patch
10 PHOTO: roll [] frame [] code: KEM | 30 | — |
in full: KEMERTON | THIRTY | — |

VEGETATION: KEMERTON SURVEY (OCT 85)
C.A.L.M.

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [M / r] 2. [LA / i] 3. [SC / r] 4. [SO / r] 5. [/] 6. [/] 7. [/] 8. [/]

8 CONDITION: [3] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural.

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus marginata</i>		MLA	10				
	<i>Allocasuarina paserina</i>		LA	8				
	<i>Banksia attenuata</i>		LA	7				
	<i>B. ilicifolia</i>		LA	5				
	<i>Personia longifolia</i>		LB	<1				
	<i>Xanthorrhoea gracilis</i>		SC	10				
	<i>Hibbertia hypericoides</i>		SD	5				
	<i>Tetrathela hirsuta</i>		BC	<1				
	<i>Platyace compressa</i>		SD	<1				
	<i>Saxifraga bromeliifolia</i>		SD	2				
	<i>Xanthoxia pusilla</i>		SD	<1				
	<i>Acacia rostrifolia</i>		SD	<1				
	<i>Asteranthus meiseri</i>		SD	<1				
	<i>Banksia conferta</i>		SD	<1				

21 LITTER=

22 LOGS=

23 RATIO DEAD : LIVE TREES=

KEMERTON SURVEY (OCT 1985)

C.A.L.M.

PHYSICAL ENVIRONMENT

DATE: (29/10/85)

OBSERVER(s) A.C. NAPIER

QUADRAT LOCATION: () () ()

AMG zone Eastings Northings

or

(33L300) (LL54500)
Lat(deg/min/sec) Long(deg/min/sec)

	CAMP SITE	QUADRAT	PATCH
CODED	KEM	30	—
IN FULL	KEMERTON	THURRY	—
ENVIRONMENTAL ASSOCIATION (SA) or BEARD VEGETATION UNIT (WA)			

RESOLUTION: (3) 1 = 1"/30m 2 = 10"/300m 3 = 30"/900m 4 = 1'/1.8 Km 5 = 10'/18 Km 6 = 30'/54 Km

NEAREST NAMED PLACE: AUSTRALIA

DISTANCE (Kms) 7.10

DIRECTION FROM PLACE (N) N,NW,W,SW,S,SE,E,NE

GEOLOGICAL SURFACE CODE: () from geological map

LANDFORM: (1)

1 = plain 2 = floodplain 3 = dune 4 = hill 5 = pan 6 = footslope 7 = depression 8 = crest 9 = ridge
10 = lake 11 = escarpment 12 = plateau 13 = rise 14 = inselberg 15 = doline 16 = channel 17 = sinkhole
18 = cliff 19 = swamp 20 = interdune low 21 = lunette 22 = tidal flat 30 = other

SOIL TEXTURE: (4) 1 = clay 2 = sandy clay loam 3 = loam 4 = sand 5 = skeletal

SURFACE STREW: (4) 1 = pebble (4 - 64 mm) 2 = cobble (64 - 256 mm) 3 = boulder (> 256 mm) 4 = none apparent

SURFACE CONDITION: (3) 1 = seasonal cracking 2 = hard setting 3 = loose 4 = crusting 5 = self - mulching

HORIZONS: - Colour A () B () 1 = 5R 2 = 7.5H 3 = 10R 4 = 2.5 YR 5 = 5YR 6 = 7.5 YR 7 = 10YR 8 = 2.5 Y 9 = 5Y (munsell)

- Depth (mm): A () B ()

- Comments:

- Soil sample Number: ()

DISTURBANCE: (1) 1 = none visible 2 = sheet eroded 3 = gullied 4 = scalded

LAND USE: PRESENT: (2) 1 = grazing 2 = light grazing 3 = conservation 4 = mineral extraction 5 = no defined use

PAST: (1)

SIGNIFICANT RAINFALL IN PAST 2 MONTHS (pitfalls, flowers)? () 1 = YES 2 = NO

COMMENTS:

Very heavily grazed under very with sparse, regenerating shrubs.

4
OBSERVER(S): A.C. NAPIER 5
DATE: [30/10/88] 1 camp 2 quad 3 patch
10 PHOTO: roll [__] frame [_____] code: KEM | 31 | — |
in full: KEMERTON | THIRTY ONE | — |

VEGETATION: KEMBERTON SURVEY (OCT 85.)

6/7 ASSEMBLAGE CODES (from highest to lowest strata): life form/canopy cover%

1. [M / r] 2. [LA / C] 3. [SC / r] 4. [SD / r] 5. [/] 6. [/] 7. [/] 8. [/]

8 CONDITION: [4] 1=virtually no cover 2=undisturbed natural 3=disturbed natural 4=degraded natural

CODE office	11 SPECIES	12 VOUCH. NO.	14 LIFE FORM (Muir)	15 PROJ. FOL. (%)	17 S E E D	18 N E W	19 D E A D	20 %FLOWER COLOUR NOTES
	<i>Eucalyptus gomphocephala</i>	M	2					
	<i>E. marginata</i>	LA	10					
	<i>Azorella flexuosa</i>	LA	15					
	<i>Banksia attenuata</i>	LA	8					
	<i>B. grandis</i>	LA	3					
	<i>Hibbertia hypericoides</i>	SD	3					
	<i>Xanthorrhoea ? gracilis</i>	SD	2					
	<i>Conostylis aculeata</i>	J	1					
	<i>Macrozamia macleayi</i>	SC	1					
	<i>Howea forsteriana</i>	SC	<1					
	<i>Phyllanthus calycis</i>	SC	2					
	<i>Geranium littorale</i>	SD	<1					INTRODUCED
	<i>Hardenbergia complanata</i>	SD	<1					TWIG
	<i>Synaphanea polymorpha</i>	SD	<1					

21 LITTER=

22 LOGS=

23 RATIO DEAD : LIVE TREES=

PHYSICAL ENVIRONMENT AS FOR SITE 16