# LIBRARY DEPARTMENT OF ENVIRONMENTAL PROTECTIO: I WESTRALIA SQUARE 141 ST. GEORGE'S TERRACE, PERTH

#### CONSULTATIVE ENVIRONMENTAL REVIEW

PROPOSED CLEARING OF 197HA OF LAND FOR AGRICULTURE, WILLIAMS LOCATION 13895 NORTH KUKERIN, SHIRE OF DUMBLEYUNG (Matthew King) (774)

13.

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Department of Environmental Protection Library

## PROPOSED CLEARING OF 197 HA OF LAND FOR AGRICULTURE, WILIAMS LOCATION 13895 NORTH KUKERIN, SHIRE OF DUMBLEYUNG.

Area Owned	1921 HA	LIBRARY
Area cleared for farming Area uncleared on farm Area proposed for clearing	1537 384 197	DEPARTMENT OF ENVIRONMENTAL PROTECTION WESTRALIA SQUARE 141 ST. GEORGE'S TERRACE, PERTH

#### HISTORY

Back in 1987 I applied for a clearing application to clear 600 acres through the Department of Agriculture. On the 4th September 1987 it was approved and it was agreed that it could be cleared over a number of years.

My plan was to clear 150 acres a year. The first year, clean it up, get it into production and when properly done, clear another 150 acres and so on. To do this my way it was going to take approx 6 years, thus leaving plenty of bush and all ridges.

With two families living off 3600 acres of cleared land, the need for more land is necessary, but hard to find close by. This is the reason we would like to clear our bush. We have 4 children and the eldest goes away to boarding school in Perth in 1994, schooling fees have to be met and then we have a child going away every 2 years after that.

#### PRESENT LAND USES

On the more productive land to maximise out profits we have a rotation program of wheat, lupins, wheat, followed by pasture. On the poorer soils such as the grey clay we are using barley, then putting in clover that is recommended by the Department of Agriculture.

We are currently running 2800 sheep which feed on lupins, wheat and barley stubble and also the clover which has been sown. With the current wool prices we are budgeting on \$2.00 per kg greasy in the bank, which does not cover the cost of feeding or shearing them.

#### **ALTERNATIVES CONSIDERED**

Back in the mid 70's 2000 acres came up for sale next door. We thought about buying it but decided that because we had 1000 acres of our own land paid for and uncleared we would let it pass and not go into debt for \$400,000.

If we do not get clearance to clear the bush we will have to look into buying more land which would mean travelling great distances and borrowing money that we would have great difficulty paying back. Our farm as it is, is not big enough to support 3 boys if they decide to come home and farm and support us as we retire in later years. We would like to clear it properly so that there won't be any degradation to the land, so it will be viable for when our sons take over.

#### PROPOSED LAND USE

It is proposed that the land to be cleared be used for agricultural production in line with the farms present cropping practices. The areas to be cleared have been chosen for their productive capacity and their ability to produce high returns such as through lupin/wheat rotations.

Areas of bush have been strategically left to protect possible degradation areas and to preserve the diversity of vegetation types, particularly those that are not common in the proposed area.

#### FARM PLAN

A farm plan has been produced with the assistance of the Department of Agriculture in September 1991. In this farm plan we were asked to design the farm the way we would like it to look in 20 years time. This included both the proposed land clearing and that part of the farm already in production. (See Map - Appendix 1)

#### PRESENT FARM

The plan has been designed to protect those areas that are potential hazards and to rectify areas that have become degraded. To this end, ridgelines have been fenced off and creeklines are progressively being replanted and fenced off. To date we have planted 2000 trees/year with about 10,000 plants all told. Unfortunately we lost 2000 through grasshoppers in 1991. All our plantings are 4 rows wide to try and create vegetation belts and corridors through the farm. The types of trees that we have planted are Red River Gums, Salt River Gums, Dwarf Sugar Gums and Flat Top Yates. We have also gone third shares in a tree planter so that they can be planted in the correct way.

Our long term aim is to have unprotected areas fenced off, and our fencelines have been redesigned to allow for this. We also have consolidated paddocks so we can farm to this soil type. We realise that for long term productivity and sustainability this is most important.

#### NATIVE VEGETATION PRESENT ON FARM

The CALM Report lists all native vegetation on the farm. (See Appendix 2)

#### PROPOSED CLEARING

The farm plan for this section of the farm had taken into account the recommendations of the Department of Agriculture so that ridgelines and creeklines remain protected and high risk areas such as shallow ironstone and potential recharge areas are uncleared to reduce runoff and recharge the ground water supplies.

In the recommendations of CALM, 5 main vegetation types were identified. The vegetation type most affected by the proposed clearing in the Mallee scrub complex which covers 75% of the area. The soil types identified in this area are some of the most productive, being suitable for lupin/wheat rotations and addresses the requirements of farming to soil types.

We believe that the areas to be left uncleared maintain the biological diversity of the 5 main vegetation types. It does not isolate any vegetation type and provides access and corridors for wildlife. Sixty metres of bush will also be left around each paddock for shelter and windbreak purposes.

It is proposed that all vegetation will be fenced before stock is introduced to the area to protect the existing bush. It is envisaged this would be between 3 and 5 years after the first crop. The proposed area covers 3 sub catchments as identified on the farm plan. No clearing will be done in catchment 1 as 85% of the area is already cleared. In the other 2 catchments 64% and 62% of the areas are properly cleared. The proposed clearing increases the cleared areas to 78% and 79% respectively for each catchment, which is within the guidelines.

After the clearing is done we will put in dams where necessary. Contours will also be put in to control any excess runoff that may occur.

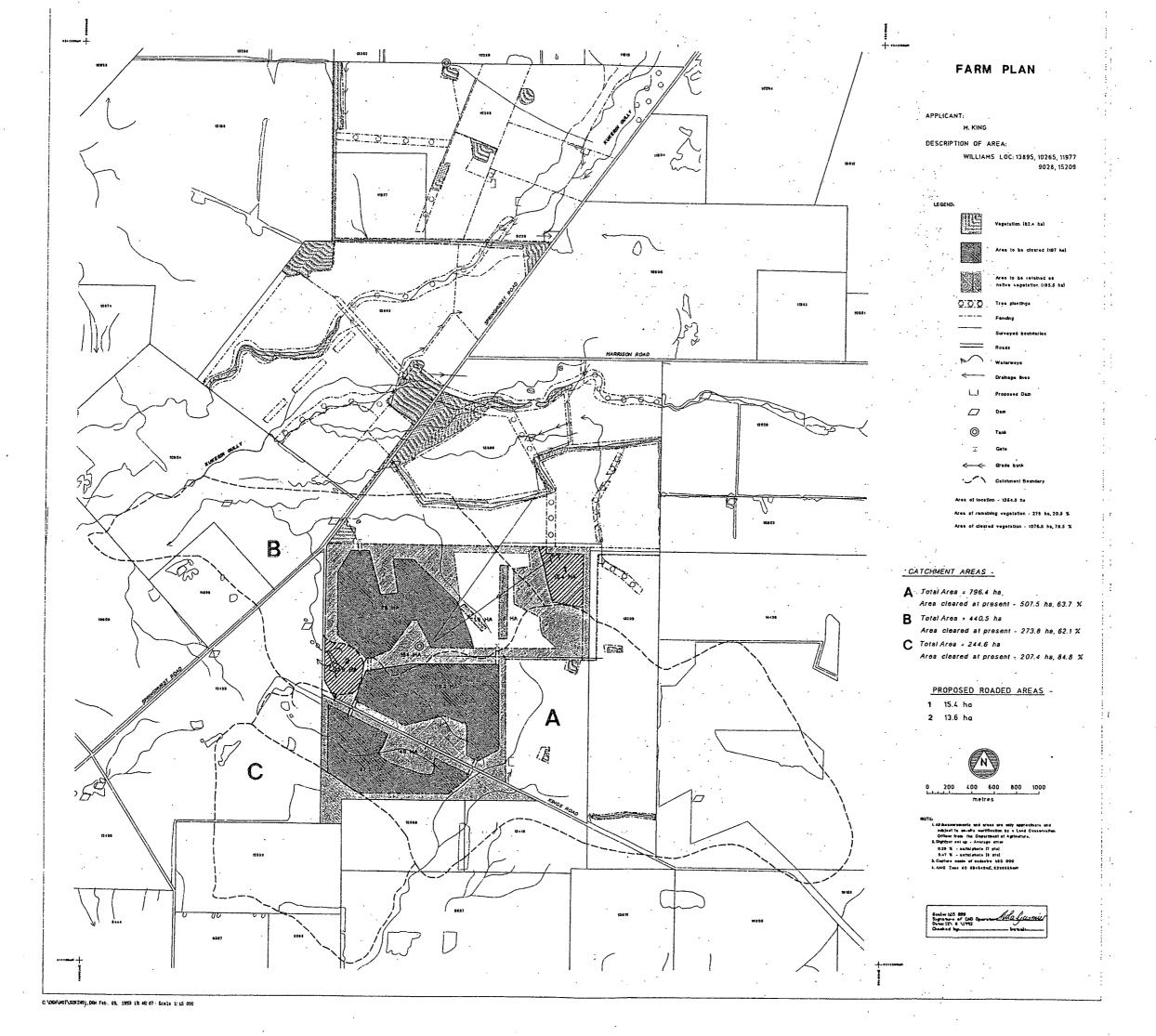
Appendix 3 contains a Report from the Department of Agriculture on the Ecological Significance of the on-Farm Bushland Remnant Vegetation.

Appendix 4 contains letters of support for the clearing proposal.

Appendix 5 contains reports on appeals which were lodged against the informal level of assessment proposed for this proposal.

#### APPENDIX 1

FARM PLAN MAP



#### APPENDIX 2

#### **CALM VEGETATION SURVEY**

## 09-3868611

#### WILLIAMS LOCATION 13895 (Part Only)

### RESULTS OF A BRIEF VEGETATION, FLORA AND FAUNA SURVEY

#### 1. SURVEY DATE/TIME

1100 - 1700 hours, 26 October 1992.

#### 2. PERSONNEL

M Graham and D Mitchell.

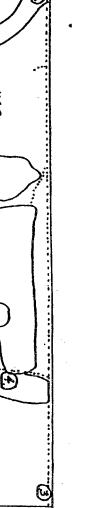
#### 3. METHOD

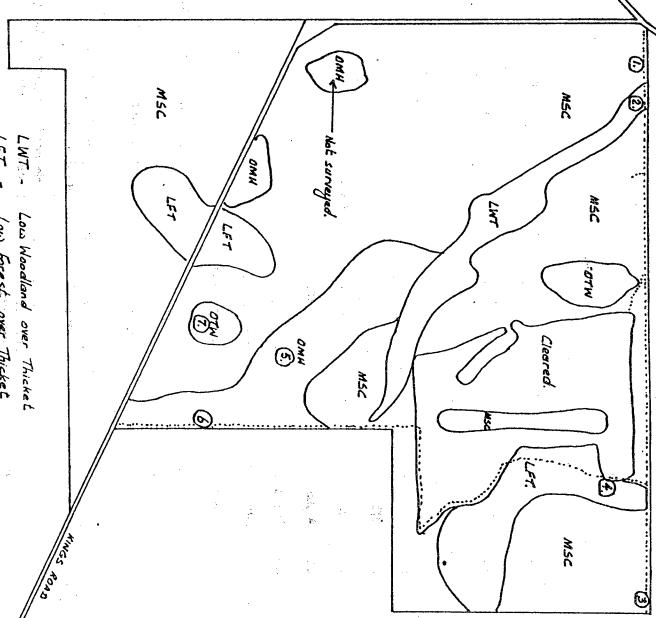
- 3.1 Main vegetation types identified based on a single monochrome aerial photograph (1984) borrowed from the land-holders (Figure 1).
- 3.2 Main vegetation types described at sample sites and associated species listed or collected for identification.
- 3.3 Additional flora species listed opportunistically.
- 3.4 Fauna data collected opportunistically.
- 4. RESULTS
- 4.1 Site vegetation descriptions and associated species lists are given at Appendix 1.
- 4.2 A plant species summary is given at Appendix II.
- 4.3 Fauna data is given at Appendix III.
- 5. DISCUSSION ON VEGETATION TYPES
- 5.1 Variation within main vegetation types was noted, e.g.:
  - (i) Morrel (Eucalyptus longicornis) is present in OTW (Open Tall Woodland) near the north boundary, but was not recorded at Site 7.
  - (ii) The association MSC (Mallee Scrub Complex) is very variable in understorey density throughout.
  - (iii) Blue mallet (Eucalyptus gardneri) is evident in LFT (Low Forest/Thicket) associations along Kings Road, but was not recorded at Site 4.
  - (iv) Kwongan (OMH) associations are typically variable, possibly in response to soil type variation and depths. This association near the bend in Kings Road may differ further due to more lateritic type soils.

M GRAHAM

SENIOR RESERVES OFFICER

3 November, 1992 KJW\748.no1





NSK 1

Sites

Vehicle Access Tracks

## APPENDIX I WILLIAMS LOCATION 13895 - VEGETATION DESCRIPTIONS

SITE 1

Soils

Open Low Woodland A to 15 metres of Eucalyptus longicornis, over Open Shrub Mallee to 12 metres of Eucalyptus cylindriflora and Eucalyptus calycogona, over Thicket of Melaleuca spp., over Open Dwarf Scrub D.

Brown sandy-loam.

#### **Associated Species**

Acacia trinalis 'ms' (Maslin)

Acacia erinacea
Stipa ?compressa
Dodonaea bursariifolia
Melaleuca uncinata

\* Hypochaeris glabra Grevillea huegelii

Phebalium tuberculosum ssp. tuberculosum

Hakea lissocarpha

Leptospermum erubescens

Callitris roei Hibbertia ?gracilis Neurachne alopecuroidea Lolium sp.
 Melaleuca acuminata
 Melaleuca cuneata
 Melaleuca adnata
 Baeckea preissiana
 Westringia cephalantha

Prostanthera serpyllifolia ssp. microphylla

Acacia pulchella var. subsessilis

Ptilotus spathulatus Leucopogon crassifolius Olearia muelleri Beyeria brevifolia Cassytha pomiformis

SITE 2

Open Low Woodland A to 8 metres of Eucalyptus wandoo, over Thicket of Leptospermum erubescens, over Low Scrub B, over Dwarf Scrub D.

Soils

Brown, gravelly loam.

#### **Associated Species**

Stackhousia monogyna Neurachne alopecuroidea Waitzia paniculata Thysanotus patersonii Verticordia chrysantha Acacia ?ixiophylla Hakea cygna Isopogon teretifolius Persoonia aff. longifolia Stylidium spp. Drosera spp. Melaleuca uncinata Allocasuarina campestris unident Sedges Stylidium repens Acacia chrysocephala Grevillea aff. hookeriana Dryandra armata

Cassytha pomiformis

Ursinia anthemoides Petrophile?seminuda Eucalyptus phaenophylla Beaufortia bracteosa Waitzia acuminata Phebalium filifolium Hakea scoparia Hakea meisneriana Loxocarya cinerea Guichenotia sarotes Nemcia decussata 'ms' Crisp (MSG 408) Baeckea preissiana Baeckea ?leptophylla Boronia crassifolia Melaleuca ?laxiflora Verticordia picta Verticordia roei Beyeria brevifolia

SITE 3

Open Shrub Mallee to 6 metres of Eucalyptus calycogona var. calycogona and Eucalyptus eremophila ssp. eremophila with emergent Eucalyptus astringens, over Open Scrub to 2.5 metres of Melaleuca acuminata, over Heath B of Melaleuca spp.

Soils

Red-brown, clay loam with gravel and quartz variable throughout to sand over laterite.

#### **Associated Species**

Melaleuca uncinata
Melaleuca platycalyx
Melaleuca ?cuticularis
Melaleuca cardiophylla
Melaleuca cuneata
Melaleuca aff. undulata
Melaleuca aff. lateriflora
Melaleuca laxiflora (pink form)
Melaleuca polycephala (MSG 409)
Persoonia teretifolia
Phebalium filifolium
Stylidium repens

Dodonaea bursariifolia
Hakea lissocarpha
Grevillea huegelii
Astroloma ?compactum
Phebalium tuberculosum ssp. tuberculosum
Santalum acuminatum
Allocasuarina campestris
Pittosporum phylliraeoides
Hakea meisneriana
Westringia cephalantha
Calytrix fraseri (MSG 410)
Exocarpos aphyllus

SITE 4

Low Forest A to 15 metres of Eucalyptus astringens and Eucalyptus argyphea, over Heath A of Melaleuca uncinata, over Open Dwarf Scrub D.

Soils

Brown, sandy-loam over laterite.

#### **Associated Species**

Exocarpos aphylla
Hybanthus floribundus
Stylidium spp.
Santalum murrayanum
Phebalium filifolium
Leptospermum erubescens
Phebalium tuberculosum ssp. tuberculosum
Nematolepis phebalioides

Pterostylis vittata
Santalum acuminatum
Hakea corymbosa
Acacia erinacea
Hakea nitida
Persoonia teretifolia
Hakea multilineata

Very Open Shrub Mallee to 4 metres of Eucalyptus phaenophylla, over Open Scrub of Callitris roei, Callitris verrucosa and Hakea crassifolia, over Heath B of Banksia sphaerocarpa var. caesia and Dryandra spp., over mixed Dwarf Scrub C and Open Low Sedges and Herbs.

Grey-white sands with variable concentrations of gravel.

#### **Species**

a armata ca pungens ya cinerea tia micrantha thoea aff. nana ra?alata ı pomiformis a aff. gracilis ca?pentagona dia chrysantha paniculata ermum erubescens n teretifolius ermum spinescens coparia ine alopecuroidea bium spinescens dia roei ?subhirtella cardiophylla iarina campestris iucium megalopetalum

Phebalium filifolium Phebalium tuberculosum ssp. tuberculosum Lysinema ciliatum Stylidium repens Dodonaea bursariifolia Hibbertia sp. Leptomeria preissiana Calytrix leschenaultii Thomasia sp. indet (MSG 411) Beaufortia micrantha ssp. puberula Dryandra vestita Dryandra erythrocephala Dryandra aff. ferruginea Astartea sp. Petrophile media Calothamnus planifolius Conostylis petrophiloides (MSG 412) Verticordia acerosa Verticordia insignis Verticordia picta Petrophile phylicoides (MSG 413)

Very Open Shrub Mallee to 8 metres of *Eucalyptus phaenophylla*, over Scrub of *Hakea* spp., over mixed Low Heath C, over Dwarf Scrub D of *Verticordia* spp., over Open Low Sedges.

Gravelly loam.

#### Species

erma scoparia
ra sp.
1 sp.
a aff. hookeriana
decussata 'ms' (Crisp)
neisneriana
nultilineata
hrysocephala

Glischrocaryon aureum var. angustifolium Ptilotus spathulatus Baeckea preissiana Chorizema uncinatum (MSG 414) Logania callosa (MSC 416) Verticordia roei Grevillea integrifolia Synaphea petiolaris SITE 7

Open Woodland to 30 metres of Eucalyptus salmonophloia, over Open Scrub of Melaleuca spp., over Low Scrub B of Melaleuca spp., and Exocarpos aphyllus, over mixed Open Dwarf Scrub D.

Soils

Brown, clay-loam with gravel.

#### **Associated Species**

Eucalyptus anceps 'ms'
Acacia erinacea
Melaleuca uncinata
Melaleuca acuminata
Melaleuca adnata
Daviesia benthamii

Acacia trinalis 'ms' (Maslin) Grevillea huegelii Eucalyptus ?scyphocalyx Olearia sp. Dodonaea viscosa

#### APPENDIX II WILLIAMS LOCATION 13895 (Part) - SUMMARISED PLANT SPECIES LIST

Acacia chrysocephala Acacia erinacea

Acacia ?ixciophylla

Acacia pulchella var. subsessilis Acacia trinalis 'ms' (Maslin)

Allocasuarina campestris

Astartea sp.

Astroloma ?compactum Baeckea ?leptophylla Baeckea preissiana

Banksia sphaerocarpa var. caesia

Beaufortia bracteosa

Beaufortia micrantha

Beaufortia micrantha ssp. puberula

Beyeria brevifolia
Boronia crassifolia
Callitris roei
Callitris verrucosa
Calothamnus planifolius

Calytrix fraseri (MSG 410) Calytrix leschenaultii

Cassytha melantha
Cassytha pomiformis

Chamelaucium megalopetalum

Choretrum glomeratum

Chorizema uncinatum (MSG 414) Conostylis petrophiloides (MSG 412)

Comesperma scoparia
Dampiera ?alata
Dampiera lavandulacea
Daviesia benthamii
Daviesia cardiophylla
Dodonaea bursariifolia

Dodonaea viscosa Drosera ?subhirtella

Drosera spp.

Dryandra armata

Dryandra erythrocephala Dryandra aff. ferruginea

Dryandra vestita

Eucalyptus anceps 'ms' Eucalyptus arguphea Eucalyptus astringens

Eucalyptus calycogona var. calycogona

Eucalyptus cylindriflora

Eucalyptus eremophila ssp. eremophila

Eucalyptus longicornis
Eucalyptus phaenophylla
Eucalyptus salmonophloia
Eucalyptus ?scyphocalyx
Eucalyptus wandoo

Exocarpos aphyllus Gastrolobium crassifolium Gastrolobium spinosum

Glischrocaryon aureum var. angustifolium

Grevillea huegelii

Grevillea aff. hookeriana

Grevillea insignis
Grevillea integrifolia
Guichenotia sarotes
Hakea corymbosa
Hakea crassifolia
Hakea cygna

Hakea cygna
Hakea laurina
Hakea lissocarpha
Hakea meisneriana
Hakea multilineata
Hakea nitida

Hakea nitida
Hakea scoparia
Halgania sp.

Hibbertia aff. gracilis

Hibbertia sp.

Hybanthus floribundus

Hypochoeris glabra
Isopogon buxifolius
Isopogon teretifolius
Leptomeria preissiana
Leptospermum erubescens
Leptospermum spinescens
Leucopogon crassifolius
Leucopogon dielsianus
Logania callosa (MSG 416)

\* Lolium sp.
Lomandra sp.
Loxocarya cinerea
Lysinema ciliatum
Melaleuca acuminata
Melaleuca adnata
Melaleuca cardiophylla
Melaleuca cuneata
Melaleuca ?cuticularis
Melaleuca aff. lateriflora

Melaleuca laxiflora (pink form)

Melaleuca ?pentagona Melaleuca platycalyx

Melaleuca polycephala (MSG 409)

Melaleuca pungens Melaleuca uncinata Melaleuca aff. undulata Nematolepis phebalioides

Nemcia decussata 'ms' Crisp (MSG 408)

Neurachne alopecuroidea

Olearia muelleri

Olearia sp.

Persoonia aff. longifolia

Persoonia striata Persoonia teretifolia Petrophile media

Petrophile phylicoides (MSG 413)

Petrophile ?seminuda Phebalium filifolium

Phebalium tuberculosum ssp.

tuberculosum

Pittosporum phylliraeoides

Prostanthera serpyllifolia ssp. microphylla

Pterostylis vittata Ptilotus spathulatus Santalum acuminatum Santalum murrayanum Stackhousia monogyna Stylidium repens
Stylidium spp.
Stipa ?compressa
Stipa elegantissima
Synaphea petiolaris
Thomasia sp. indet. (MSG 411)

Thysanotus patersonii

\* Ursinia anthemoides
Verticordia acerosa
Verticordia chrysantha
Verticordia insignis

Verticordia picta Verticordia roei Waitzia acuminata

Waitzia paniculata Wastringia caphalanth

Westringia cephalantha Xanthorrhoea aff. nana

#### NOTES:

- (i) \* denotes introduced species
- (ii) Collection numbers (eg MSG 411) denote specimens retained for confirmation of identification.

#### REMNANT 53 SPECIES NOT RECORDED DURING THE CURRENT SURVEY:-

Astroloma microphyllum
Cassytha pubescens (NSW only)
Beaufortia schaueri
Eucalyptus flocktoniae
Melaleuca conferta
Melaleuca leptospermoides
Melaleuca spicigera
Gastrolobium rigidum

Nemcia carinata (possibly = Nemcia decussata 'ms')
Stipa scabra
Isopogon drummondii
Petrophile trifida
Eriostemon (?) thryptomenoides
Dodonaea stenozyga

#### APPENDIX III WILLIAMS LOCATION 13895 (Part) - FAUNA OBSERVATIONS

#### 1. Mammals

Kangaroo (Macropus sp.) - track and scats
Echidna (Tachyglassus aculeatus) - digging and a broken quill
Possum (?Trichosurus vulfpecula) - scats and tree scratches
Rabbit (Oryctolagus cuniculus) - scats and warrens
Fox (Vulepes vulpes) - scats

#### 2. Reptiles

Rosenbergs Goanna (Varanus rosenbergi) - sighted

#### 3. Birds Sighted

Wedge-tailed Eagle - old nests present Port Lincoln Ringneck Common Bronzewing Striated Pardalote Grey Shrike-thrush Rainbow Bee-eater Australian Magpie Crested Pigeon Galah - nesting White-browed Babbler Western Yellow Robin Grey Butcherbird Brown Falcon Southern Scrub Robin Australian Raven Blue-breasted Fairy-wren Brown-headead Honeyeater Yellow-rumped Thornbill Grey Currawong Red Wattlebird

#### APPENDIX 3

REPORT ON ECOLOGICAL SIGNIFICANCE OF THE ON-FARM BUSHLAND REMNANAT ON KING ROAD, DUMBLEYUNG SHIRE, WESTERN AUSTRALIA (REMNANT 53)

# ECOLOGICAL SIGNIFICANCE OF THE ON-FARM BUSHLAND REMNANT ON KING ROAD, DUMBLEYUNG SHIRE, WESTERN AUSTRALIA (REMNANT 53)

F. Mollemans

Division of Resource Management Western Australian Department of Agriculture

Results of a Project Funded by the 'Save the Bush' Program

July 1992

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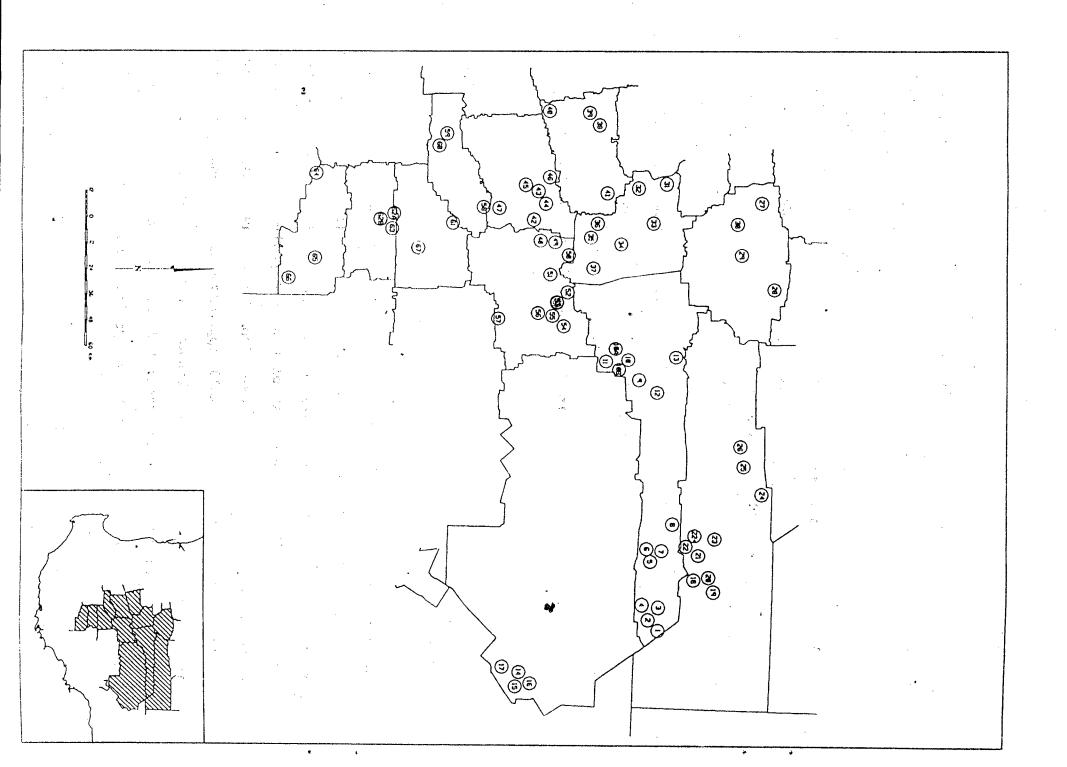
#### 1.0 Survey Details

The on-farm bushland remnant on King Road, Dumbleyung Shire, W.A. (referred to as REMNANT 53 - Figures 1 & 2), was surveyed by rapid survey manner on 11/12.11.91. The survey of this remnant comprised part of the Southern Wheatbelt Region Remnant Vegetation Survey funded by the Save the Bush program, and aimed at surveying pieces of on-farm remnant vegetation in 11 shires of the "Great Southern" of Western Australia, namely: BROOMEHILL, CORRIGIN, DUMBLEYUNG, KATANNING, KONDININ, KULIN, NARROGIN, TAMBELLUP, WAGIN, WICKEPIN, and WOODANILLING.

The major part of the survey was conducted from the south-west corner of the remnant and proceeded in an easterly direction therefrom. Available tracks were traversed to provide additional observational details regarding the composition of the vegetation within the remnant.

#### 2.0 Results

The area has three main communities, a mallee scrub community (a), a mallee over Melaleuca spp. scrub/thicket (b), and a mallet woodland on an approximately N-S ridgeline (c), with the two former communities in somewhat of a mosaic pattern about the third which tends to divide the remnant from its central position. Part of the area comprising two small approximately rectangular blocks in the NE of the remnant are already cleared. Figure 3 is a copy of the field survey sheet completed during the survey. In the hand drawn figure in the allotted position on the front side of

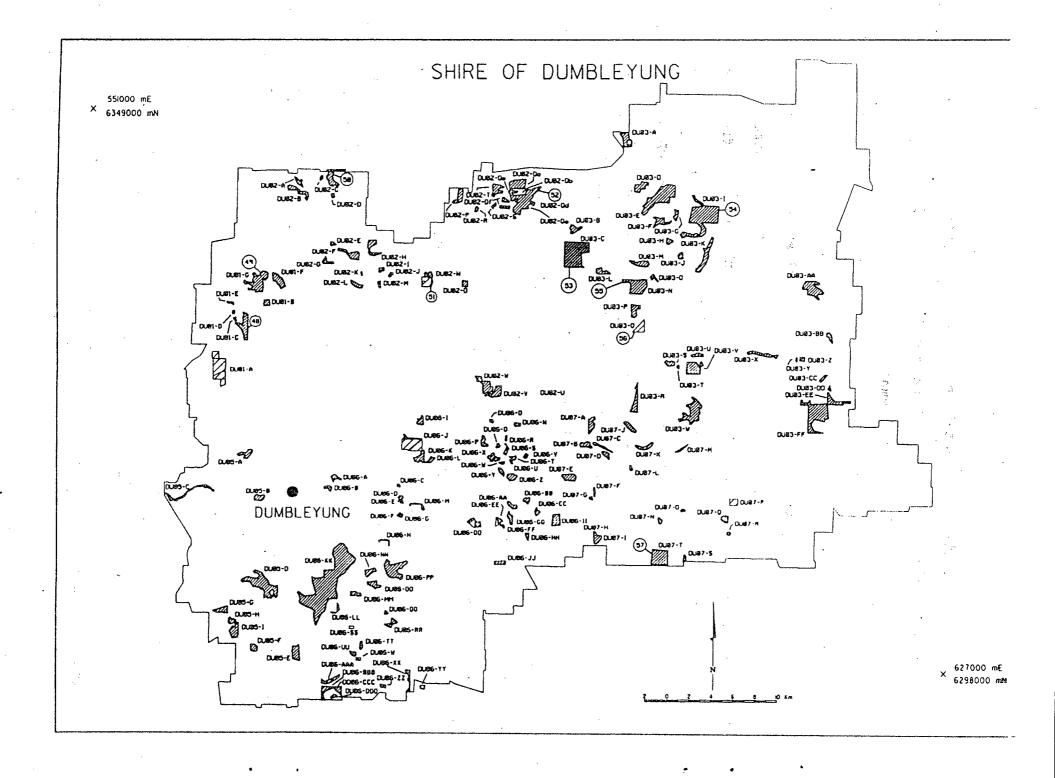


the sheet ascertained vegetation detail is shown, along with a cross-section at the bottom which depicts the altitudinal change from west to east through the remnant.

Figure 4 and 5 are photographs of communities 53b (mallee over Melaleuca spp. scrub/thicket), and 53c (mallet woodland on an approximately N-S ridgeline), respectively. The photograph in Figure 4 is taken of the view found in an ENE direction from the major bend in King Road situated in the south-west part of the remnant. Figure 5 is of the mallet community on the top of the ridge about half way along the southern part of the remnant and this photograph is of the view seen south of the road (a similar view is apparent to the north of the road).

Appendix 1 provides details including plant communities and species composition for Remnant Piece of Bush 53. Appendix 2 is a transcript of the field notes from the remnant with identified plants and other observations indicated. Appendix 3 contains additional botanical identifications made by R. Cranfield, and subsequently rechecked to add to and finalise the plant list for the King Road remnant (Remnant 53).

Figure 1. Locality Plan of Remnant 53



#### 3.0 Discussion

#### Plant Species Records

Of the recorded plant species, Priority 2 Species Gastrolobium rigidum, known from CALM's Wheatbelt and South Coast Regions, at the following localities Mt Gibbs, Mt Madden, Lake King, and Frank Hann N.P., was recorded in the mallee scrub community (53a). Priority 2 species Astroloma microphyllum, also known from CALM's South Coast Region at Twertup, was found in the same community. A possible new species of Daviesia (Daviesia sp.) was recorded in both 53a and 53b and recorded no where else during the survey of the 11 shires, and there is no apparent record of this taxon in the herbarium, so it may only (nowadays) occur in Remnant 53. net-veined leaf, pea-flowered species Nemcia carinata (rare) was only recorded in the mallee scrub community (53a) and nowhere else during surveys conducted during 1991. A probable new subspecies of blister plant Phebalium aff. filifolium sp. B was found in the mallee scrub community (53a) and may also occur in the mallet It was also recorded from near Wedin, but was community (53c). seen nowhere else during the 1991 survéy; it has previously been recorded from "Kukerin" based on a relatively old herbarium record. A particularly large fruited mallee with similarities to Eucalyptus platycorys (Eucalyptus aff. platycorys) was found in the mallee scrub community (53a) and not recorded elsewhere.

Figure 2. Location of Remnant 53 within Dumbleyung Shire

#### Fauna Observations

The only apparently significant fauna observation was in the mallee scrub community (53a), where a population of Blue Wrens was heard and observed; wrens were seen nowhere else during my surveys of remnant bush areas in the 11 shires dealt with during 1991.

#### 4.0 Acknowledgements

I wish to acknowledge with thanks Ray Cranfield's assistance with plant identifications.

SOUTHERN	WHEATBELT REGION REMNANT VEGETATION SURVEY
LCDC Ne-9_ Dun	Meyung District: Shire:
Remnant 1: (53)	Map Ref:
Locality:	
	· · · · · · · · · · · · · · · · · · ·
Lat:	Longuage Stope:Stope:
Land Status:	Gravel Res. MRD Gravel Res. Shire National Park Nature Res.
Private	Railway Res.   Rd Verge MRD   Rd Verge Shire   Shire Res.
State Forest 🗆	VCL
Landhoicer/Authority	y Name (if known):
Landform	Breakaway
Drainage Line 🖫	Firebreak
Lake Ecgs I	Low Plain
Rise	Riverbank  Sand Dune  Scpe  Swamp
Other.	
Geology	Locality Map
Adameliate	- ( terred wint
Alluvium	- Tespont
Diorité	
Dolerite	- malice
Eolian Deposits	I meu \ \
(Sandplair/dune)	
Gneiss	
Granite	
Granodichite	Malice / I'me Suns
Greenstite	
Lacustrine lota, /sill	
Laterite	J. Jaker Some
Limestore	
Quartz te	- I will be a second of the se
Rack Form:	Mall Full Full
Layeret	- wills malle to be sunds
irreguizr	matlet
Amorphils	
Soll:	
Particle Nature	The state of the s
Angular	Comment of the second
Roundes	D Scarz
Friable	- king tel Ts
Texture .	B'Siit (1/256-1/16 mm) □ Loam B' . Fine Sand □ Fine Sand □
Clay (k1,256 mm)	B/Siit (1/256-1/16 mm) □ Loam □ Fre Sand □ Fine Sand □ (1/8-1/4 mm)
Med-Satz (1/4-1/2 mm;	☐ Coarse Sand ☐ V Coarse ☐ Granule (2-4 mm) ☐ Pebble (4-64mm) ☐ Sand (1/2-1 mm) ☐ Sand (1/2 mm) ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
	ml   Boulder 1 256 mm   Depth   > 1 m Fro' e Description Seit / Latenta
Sallnity _ Not Evic	deuf pHitrend: 6 Colour Back Brown// -
Red-Ercar	Ö Red ☐ Orange ☐ Yellow-Brown ☐ Yellow ☐
Green	Grey White. D Mursell H V/C 1846 _ 6/_6
V/C ====================================	Organic Content High 🔲 Mesum 🗇 Low 🕮
Vegeteron Type-L	Mallie med - Mailes / sunb fund Mullin
suc	

4. Photograph of plant community 53b - mallee over Melaleuca spp. scrub/thicket - of the view found in an ENE direction from the major bend in King Road situated in the south-west part of the remnant

Photograph of plant community 53c - mallet woodland - on the approximately N-S ridgeline about half way along the southern part of the remnant and this photograph is of the view seen south of the road (a similar view is apparent to the north of the road)

#### Appendix 1

#### Remnant Piece of Bush Number 53

Dumbleyung Shire [DU03] Dumbleyung SI50-07 1:250 000; Kukerin 2531-IV 1:50 000; M.E. & T.M. King.

Surveyed 11/12.11.91 Location: 33 km NE of Dumbleyung, and 11.25 km NW of Kukerin; 33^06'36"S, 118^00'32"E; c. 320 m.

- a Mallee scrub community
- b Mallee over Melaleuca spp. scrub/thicket
- c Mallet woodland on an approximately N-S ridgeline

#### Notes

Has Leptospermum scrub on the west margin road edge (east verge) of section of road along the west side of the remnant and some (2) borrow pits in the same area.

#### Plant Species Recorded in Community 53a, a mallee scrub community

#### <u>Asteraceae</u>

Ursinia anthemoides Waitzia paniculata

#### <u>Casuarinaceae</u>

Allocasuarina campestris Allocasuarina corniculata

#### Cupressaceae

Callitris roei

#### Cyperaceae

Lepidosperma (?)effusum Lepidosperma sp. (x2)

#### Dilleniaceae

Hibbertia exasperata Hibbertia gracilipes

#### **Epacridaceae**

Astroloma microphyllum Leucopogon crassifolius Leucopogon dielsianus

Leucopogon sp.

Lysiana ciliatum var. ericoides

Unidentified epacrid

#### <u>Euphorbiaceae</u>

Unidentified euphorbiaceae species = Beyeria sp.

#### <u>Lamiaceae</u>

Westringia cephalantha

#### Lauraceae

Cassytha pubescens

#### <u>Liliaceae</u>

Thysanotus patersonii

#### Mimosaceae

Acacia chrysocephala Acacia pulchella Acacia sp.

#### Myrtaceae

Baeckea preissiana

Baeckea sp.

Beaufortia micrantha var. puberula

Beaufortia schaueri

Calytrix sp.

Eucalyptus phaenophylla Eucalyptus aff. platycorys

Leptospermum erubescens

Melaleuca conferta

Melaleuca laxiflora

Melaleuca leptospermoides

Melaleuca platycalyx

Melaleuca pungens

Melaleuca spicigera

Melaleuca uncinata

Melaleuca sp. (x3)

Verticordia acerosa var. priessii

Verticordia chrysantha

Verticordia insignis ssp. compta

Verticordia picta

Verticordia roei

Verticordia sp.

1.764 95

```
12
Papilionaceae
     Bossiaea peduncularis
     Daviesia benthamii
     Daviesia sp. to herb (also in 53b*)
     Gastrolobium rigidum
     Gastrolobium spinosum var. spinosum forma typica
     Nemcia carinata (rare)
     Unidentified papilionaceae
Pittosporaceae
     Billardiera sp.
<u>Poaceae</u>
     Neurachne alopecuroidea
     Stipa elegantissima
     Stipa scabra
<u>Polygalaceae</u>
     Comesperma scoparium
<u>Proteaceae</u>
     Banksia sphaerocarpa
     Dryandra armata
     Dryandra aff. horrida
     Dryandra vestita
     Grevillea hookerana
     Grevillea eriostachya
     Hakea erecta
```

Petrophile trifida Rutaceae

> Boronia crassifolia Eriostemon thryptomenoides Phebalium (?)filifolium Phebalium aff. filifolium sp. B. Phebalium tuberculosum ssp. tuberculosum Phebalium sp.

Santalaceae

Exocarpus aphyllus Santalum acuminatum

Hakea scoparia Hakea subsulcata

Isopogon drummondii Isopogon teretifolius

Hakea sp.

Sapindaceae

Dodonaea bursariifolia

<u>Stylidiaceae</u>

Stylidium caricifolium Stylidium dichotomum Stylidium repens

<u>Fauna</u> Birds: 53a Bellbird 53a Blue Wren 53a Willie Wagtail 53a Babblers (heard) Others: 53a Orb Spider 53a Rock coloured grasshopper 53a Honey bees 53a Termite mound

53a Native bee

Soils

53a Chocolate brown clay loam + gibber fragments, pH 6

Plant Species Recorded in Community 53b, comprised of mallee over Melaleuca spp. scrub/thicket

Asteraceae

Olearia muelleri

Lauraceae

Cassytha melantha

<u>Liliaceae</u>

Thysanotus patersonii

<u>Mimosaceae</u>

Acacia brachyclada

Acacia pulchella

Myrtaceae

Eucalyptus flocktoniae

Eucalyptus phaenophylla

Eucalyptus salmonophloia

Eucalyptus transcontinentalis

Melaleuca acuminata

Melaleuca adnata

Melaleuca laxiflora

Melaleuca sheathiana

Melaleuca uncinata

Melaleuca undulata

Papilionaceae

Daviesia sp. to herb(\*)

Poaceae

Stipa elegantissima

<u>Proteaceae</u>

Grevillea huegellii

<u>Santalaceae</u>

Exocarpus aphyllus

Sapindaceae

Dodonaea bursariifolia Dodonaea stenozyga

<u>Fauna</u>

Birds:

53b Babbler

Others:

53b Termites present

#### Soils

53b Medium brown clay loam + gibber fragments, chocolate brown at depth as observed from an ant hole.

Plant Species Recorded in Community 53c, comprised of mallet woodland on an approximately N-S ridgeline

Cupressaceae

Callitris roei

Cyperaceae

Lepidosperma sp.

<u>Dilleniaceae</u>

Hibbertia enervia

<u>Haloragaceae</u>

Glischrocaryon aureum

<u>Goodeniaceae</u>

Dampiera sp.

Scaevola scapigera

Lamiaceae

Westringia cephalantha

<u>Liliaceae</u>

Thysanotus patersonii

Mimosaceae

Acacia chrysocephala

Acacia lasiocalyx

<u>Myrtaceae</u>

Baeckea sp. (as in 53a)

Eucalyptus astringens

Eucalyptus sp. J.

Melaleuca adnata

Melaleuca laxiflora

Melaleuca pungens

Melaleuca uncinata

<u>Papilionaceae</u>

Bossiaea pulchella

Gastrolobium spinosum var. spinosum forma typica

<u>Poaceae</u>

Stipa scabra

Proteaceae

Banksia sphaerocarpa

Dryandra armata

Dryandra ferruginea

Grevillea insignis

Hakea multilineata

Rhamnaceae

Cryptandra pungens

Rutaceae

Phebalium (?)filifolium

Phebalium tuberculosum ssp. tuberculosum

Phebalium sp.

<u>Santalaceae</u>

Exocarpus aphyllus

Exocarpus sparteus

Santalum acuminatum

Sapindaceae

Dodonaea bursariifolia

Fauna

53c Echidna digs

53c Sleepy or bobtail lizard widespread

53c Blue tongue occasional

 $\frac{\text{Soils}}{\text{From 50c: yellow sand over laterite } \pm \text{ boulder laterite outcrop}}$ 

#### Appendix 2

## Transcript of Field Notes Relating to Plant Species, Fauna and Soils Details Recorded in Remnant Piece of Bush Number 53

- 53a Eucalyptus sp (1) platycorys (Drawing of fruit in notes) = Eucalyptus aff. platycorys
- 53a Eucalyptus sp (Drawing of fruit in notes) = **Eucalyptus** phaenophylla
- 53a Leptospermum erubescens
- 53a Allocasuarina campestris
- 53a Baeckea sp.
- 53a Banksia sphaerocarpa
- 53a Gastrolobium spines var. spines forma typica (Drawing of leaf shape in notes)
- 53a Slender dodder = Cassytha pubescens
- 53a Phebalium (short thick leaf) (Drawing of leaf in notes) = Phebalium sp.
- 53a Verticordia yellow orange flower hook tip leaves = Verticordia acerosa var. priessii
- 53a Comesperma scoparium
- 53a Quandong Santalum acuminatum
- 53a Lysiana ciliatum var. ericoides
- 53a Hairy grass = Neurachne alopecuroidea
- 53a Phebalium filifolium type 1 = Phebalium (?)filifolium
- 53a Phebalium filifolium type 1 with verrucose glandular leaves (verrucose glands less evident in older leaves) leaves more silvery than type 1 = Phebalium filifolium sp. B
- 53a Euphorbiaceae shrub to 2 m tall x 1.5 m (Drawing of fruit in notes) = Unidentified euphorbiaceae species = Beyeria sp.
- 53a Baeckea (Drawing of leaf/stem arrangement in notes) = Baeckea preissiana
- 53a Pink flower decussate Mel. = Beaufortia schaueri
- 53a Verticordia yellow flower short leaf = Verticordia chrysantha
- 53a Acacia terete hooked tip phyll to c. 2 cm long, shrub 1 m tall x 2 m = Acacia sp.
- 53a Poison with spear shaped leaf (Drawing of leaf in notes) = Gastrolobium rigidum
- 53a Decussate Leucopogon = Leucopogon crassifolius
- 53a Tiny leaved ?Eriostemon (Drawing of leaf in notes) = Eriostemon thryptomenoides
- 53a Hakea sulcata group = Hakea scoparia
- 53a Lepidosperma hairy leaf edge viscid base (viscidum) flat curved 5 mm wide (Drawing of stem T.S. in notes) = Lepidosperma (?)effusum
- 53a Hibbertia 9 mm pungent = Hibbertia exasperata
- 53a Yellow flower terete pungent Mel = Melaleuca pungens
- 53a Dryandra serrata = Dryandra armata
- 53a My grass Stipa elegantissima
- 53a 1.5 m short terete leaved Mel. = Melaleuca sp.
- 53a Common hairy decussate leaved Mel = Beaufortia micrantha var. puberula
- 53a Melaleuca uncinata
- 53a Leucopogon dielsianus (Drawing of leaf arrangement in notes)
- 53a Stylidium caricifolium
- 53a Callitris exserted spine = Callitris roei
- 53a 90 cm 9 mm wide flat sedge = Lepidosperma sp.
- 53a Verticordia pink flower; flowers dried = Verticordia picta

- 53a Short decussate Leucopogon (Drawing of leaf in notes) = Leucopogon sp.
- 53a Multi-flower head Hemigenia (Drawing of flower head in notes) = Westringia cephalantha
- 53a Spiny Acacia = Acacia pulchella
- 53a Calytrix sp.
- 53a Acacia deltoid phyllode (Drawing of phyllode in notes) = Acacia chrysocephala
- 53a Purple Billardiera = Billardiera sp.
- 53a Pink Vert 2 = Verticordia insignis ssp. compta
- 53a 3-4 mm leaved Hibbertia = Hibbertia gracilipes
- 53a Stylidium ground mat (Drawing of 5 mm wide pink dotted flower in notes) = Stylidium repens
- 53a Verticordia glossy leaf (Drawing of leaf in notes) = Verticordia sp.
- 53a Epacrid (Drawing of fruit in notes) = Astroloma microphyllum
- 53a White Vert = Verticordia roei
- 53a Hakea erecta
- 53a Exocarpus aphyllus
- 53a Terete leaved Hakea = Hakea subsulcata
- 53a Dryandra aff horrida
- 53a Leafy Stylidium (Drawing of basal leaf arrangement in notes) = Stylidium dichotomum
- 53a Dark green brown appressed leaf epacrid = Unidentified epacrid
- 53a Asteraceae white flower (Drawing of flower in notes) = Waitzia paniculata
- 53a Toothbrush Grevillea = Grevillea hookerana
- 53a Red stem loose floret daisy = Ursinia anthemoides
- 53a Boronia divided flat leaf (Drawing of flower and flat leaves in notes) = Boronia crassifolia
- 53a Pink flower lance leaf Melaleuca c. 2 m tall (Drawing of leaf in notes) = Melaleuca sp.
- 53a Small Yellow pea flower = Unidentified papilionaceae
- 53a Larger leaf pink flower lance leaf Melaleuca c. 2 m tall = Melaleuca laxiflora
- 53a 1+ m Melaleuca holosericea pink flower yellow tip = Melaleuca leptospermoides
- 53a Epacrid leaved pea egg & bacon flower dried off = Daviesia sp. to herb (also in 53b)
- 53a Pungent terete leaved Isopogon = Isopogon drummondii
- 53a Grevillea eriostachya
- 53a Short leaved round fruit Melaleuca like Hibbertia <u>+</u> prostrate habit = **Melaleuca** conferta
- 53a Dried Thysanotus patersonii
- 53a Isopogon teretifolium = Isopogon teretifolius
- 53a 5cm curved terete leaved Hakea = Hakea sp.
- 53a Thysanotus patersonii (5 + 1 flower = 5 stamens + 1 53a ovary/style)
- 53a Fruit unusually large Allocasuarina corniculata
- 53a Melaleuca platycalyx
- 53a Curved leaf sedge flat double convex T.S. (Drawing of leaf shape and stem T.S. in notes) = Lepidosperma sp.
- 53a Melaleuca sp.
- 53a ?Spiny leaved Acacia lasiocarpa erect = Bossiaea peduncularis

#### Additions to Plant List from Collections

- 53a Daviesia benthamii
- 53a Nemcia carinata (rare)

```
53a Stipa scabra
53a Dryandra vestita
53a Petrophile trifida
53a Phebalium tuberculosum ssp. tuberculosum
53a Dodonaea bursariifolia
Fauna
Birds:
53a Bellbird
53a Blue Wren
53a Willie Wagtail
53a Babblers (heard)
Others:
53a Orb Spider
53a Rock coloured grasshopper
53a Honey bees
53a Termite mound
53a Native bee
Soils
53a Chocolate brown clay loam + gibber fragments, pH 6
53b Melaleuca pointy leaf abundant forming thicket = Melaleuca
     undulata
53b Tall grey bark mallee (Drawing of fruit in notes) = Eucalyptus
     flocktoniae
53b Exocarpus aphyllus
53b Mel side fruit = Melaleuca adnata
53b Melaleuca uncinata
53b Dodonaea nr prostate (Drawing of leaf in notes) = Dodonaea
     bursariifolia
53b Thick dodder = Cassytha melantha
53b Pink flower large lance leaved Mel = Melaleuca laxiflora
53b Olearia muelleri
53b Acacia lasiocarpa prostrate = Acacia pulchella
53b Rare Salmon gums = Eucalyptus salmonophloia
53b Acacia brachyclada
53b Flat terete pointy Mel = Melaleuca sheathiana
53b Thysanotus patersonii
53b Dodonaea stenozyga
                (Drawing of leaf/stems in notes) = Stipa
          grass
     elegantissima
53b Mallee (Drawing of fruit in notes) = Eucalyptus phaenophylla
                         of fruit in notes) = Eucalyptus
      Mallee
               (Drawing
     transcontinentalis
53b Grevillea red flower divided flat leaves as in Salmon gum
     areas but under Melaleuca spiny = Grevillea huegellii
Additions to Plant List from Collections
 53b Melaleuca = Melaleuca acuminata
<u>Fauna</u>
```

Birds:

53b Babbler

Others:

53b Termites present

#### Soils

- 53b Medium brown clay loam + gibber fragments, chocolate brown at depth as observed from an ant hole.
- 53b Photo 10 of this area
- 53c Mallet area same species as Mallet area 50(c) but more closed in density terms i.e. Brown mallet = Eucalyptus astringens, Silver mallet = Eucalyptus sp. J.

- 53c Exocarpus aphyllus
- 53c Exocarpus sparteus
- 53c Dodonaea (Drawing of leaf in notes) = Dodonaea bursariifolia
- 53c Quandong Santalum acuminatum
- 53c Shrub and ground Hemigenia sp. = Westringia cephalantha
- 53c Mel spp. present = Melaleuca spp.
- 53c Same Phebaliums as 53a =
- 53c Same Callitris as 53a = Callitris roei
- 53c Cryptandra pungens Rhamnaceae white flower = Cryptandra pungens
- 53c Baeckea (Drawing of flower in notes) = Baeckea sp. (as in 53a)
- 53c Melaleuca uncinata
- 53c Melaleuca spiny terete leaved yellow flower = Melaleuca pungens
- 53c Holly leaved Grevillea = Grevillea insignis
- 53c Hakea multilineata grooved fruit = Hakea multilineata
- 53c Spear grass = Stipa scabra
- 53c Dryandra serra = = Dryandra armata
- 53c Acacia triangle phyllode (Drawing of phyllode in notes) = Acacia chrysocephala
- 53c 1 m flat sedge 8 mm wide = Lepidosperma sp.
- 53c Glischrocaryon aureum
- 53c Thysanotus patersonii
- 53c White flower Scaevola = Scaevola sp.
- 53c Dampiera small purple (7 mm wide) flower (Drawing of flower in notes) = Dampiera sp.
- 53c Gastrolobium spinosum var. spinosum forma typica (Drawing of leaf shape in notes)
- 53c Acacia lasiocalyx
- 53c Banksia sphaerocarpa
- 53c Melaleuca side fruit at fringe = Melaleuca adnata
- 53c Melaleuca decussate short pungent flat leaves at fringe (Drawing of leaf shape in notes, with sample stuck in under magic tape) = Melaleuca sp.

# Additions to Plant List from Collections

#### 53c Dryandra ferruginea

#### <u>Fauna</u>

- 53c Echidna digs
- 53c Sleepy or bobtail lizard widespread
- 53c Blue tongue occasional

#### Soils

From 50c: yellow sand over laterite + boulder laterite outcrop

#### Appendix 3

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Additional Identifications
                                           R. Cranfield 22.7.92.
 53a Hibbertia exasperata
 53a Hibbertia gracilipes
, 53a Lepidosperma (?)effusum
 53a Eeucopogon-sp:: Leucopogon crassifolius
 53a Stylidium dichotomum
 53a Stylidium repens
 53a Leptospermum erubescens
 53a Eucalyptus-spathulata: Eucalyptus aff. platycorys (fruits far
     too large)
 53a Eucalyptus-sp:: Eucalyptus phaenophylla
 53a Hakea scoparia
 53a Bossiaea peduncularis
 53a Grevillea hookerana
 53a Myrtaceae: Baeckea sp.
 53a @assytha-racemesa: Cassytha pubescens (stems pubescent)
 53a Calytrix sp.
 53a sedge: Lepidosperma sp.
 53a Acacia sp.
 53a Leucopogon sp.
 53a Beyeria leschenaultii
 53a Daviesia sp. to herb (also in 53b*)
 53a Melaleuca laxiflora
 53a Baeckea-sp:---Shew-M-E-T-: Eriostemon thryptomenoides
 53a Beyeria sp.
 53a Hakea subsulcata
 53a Melaleuca laxiflora
 53a Leucopogon crassifolius
 53a Melaleuca sp.
 53b Melaleuca undulata
 53b Acacia brachyclada
 53b Enknown: Daviesia sp. to herb (*)
 53b Melaleuca laxiflora
 53b Melaleuca sheathiana
 53c Melaleuca laxiflora
 53c Spyridium-sp.: Cryptandra pungens
 53c Dampiera sp.
 53c Goodenia scapigera
 53c Bossiaea pulchella
 53c Hibbertia enervia
```

# APPENDIX 4

# LETTERS OF SUPPORT

# 10" February 1993.

# To Matthew of Therese.

Having seen your map (plan) to dear approximately half of your brush, I have no objection to you doing so. Its a pitty that no other farms in the district have been cleared with as much foresignt and respect for the native flora and fauna that you have shown in your plan.

I realize you are under pressure from various government departments to keep your bush in its present state, however I feel you are been asked to pay for all our mistakes in the part of over clearing

Regards Michael Mitchell

9.9. Brith Donside" Kuherin, 6352.

To whom it may concern,

•

he matthew kings cleaning of the bush.

Graine brith a neighbour to the Kings

brokenty and within I Kilometre of the bush,

and in catchment A. Howe no objection in

matthew cleaning this bush as per plan's drawn

up by him and the Ag. department.

49. Bouth

MR MATTHEW KING P.O. BOX 18 KUKERIN, W.A. 6352.

	1 9 MAR 1993	
File No	4./. s/3 Initials LA	

DEAR MATTHEW,

RE: - APPLICATION TO PARTIALLY CLEAR LOCATION 13895

WE AS NEIGHBOURS HAVE VIEWED YOUR PROPOSED PLAN TO CLEAR SOME LAND AND BELIEVE THAT YOU HAVE BEEN VERY ENVIRONMENTLY CONSCIENCE IN YOUR INTENTIONS AND THAT YOU WILL FOLLOW THROUGH WITH ALL THE REQUIRED CARE IN THE BEST INTERESTS FOR ALL CONCERNED.

YOURS FAITHFULLY.

ARCON .

JOHN AND KAYE COOK P.O.BOX 19 KUKERIN, 6352

LOCATION 9405

Golval

DUMBLEYUNG LAND CONSERVATION COMMITTEE

MAYFIELD PO BOX 46 DUMBLEYUNG 6350 26,2.1993

MR. MATTHEW KING PO BOX 18 KUKERIN 6352.

Dear Matthew.

Re: Glearing Location 13895 Non Rukerin.

I have been instructed by the Dumbleyung LCDC to convey the Committee's support of your application to clear 197 hectares of bush, situated at the above location, as outlined in the proposed guidelines.

This support is forthcoming because of the manner in which the application has been prepared, the history of excellent land conservation and farm practices in your family, and because recharge areas have been identified.

The Committee's responsibilities require them to encourage the monitoring of water table levels throughout the Dumbleyung LCD and would suggest you take advantage of the newly acquired drilling rig to install a monitoring system on your farm.

Yours faithfully,

Jan Gray Secretary.

# Bumbleyung Shire Council

HARVEY STREET, DUMBLEYUNG



TELEPHONE: DUMBLEYUNG 63 4012 STD Area Code 098

FAX: (098) 63 4146

All correspondence to be addressed to the Shire Clerk, Box 99, Dumbleyung, W.A. 6350

Your	Ref:	•••••	 Ċ.	+	Þ	 <b>'</b>	Ö	vr	Ń	۲	•	 •••	٠	
	Ref:													

Mr Matthew King PO Box 18 KUKERIN WA 6352

Dear Matthew,

# APPLICATION TO PARTIALLY CLEAR LOCATION 13895

Council supports this well planned and environmentally conscience clearing of your land for production purposes.

Yours faithfully,

Chris Pepper SHIRE CLERK

24th February, 1993

# APPENDIX 5

# APPEALS ON LEVEL OF ASSESSMENT



#### WESTERN AUSTRALIA

#### MINISTER FOR THE ENVIRONMENT

Mr M King PO Box 18 KUKERIN WA 6352

Dear Mr King

PROPOSED CLEARING OF 324HA OF LAND FOR AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN SHIRE OF DUMBLEYUNG

Eleven appeals were lodged in objection to the level of assessment set for the above proposal.

Regulation 9 of the Environmental Protection Regulations requires that the proponent be advised of the outcome of the Minister's decision on any appeals.

To satisfy that requirement, I have enclosed a copy of the summary papers for appeal numbers 92/214, 92/215, 92/216, 92/217, 92/218, 92/219, 92/221, 92/223, 92/224, 92/225 and 92/226, copies of which will also be available to the public in the Environmental Protection Authority's library.

Yours sincerely

Jim McGinty MLA
MINISTER FOR THE ENVIRONMENT

2 2 DEC 1992

enc.

APPEAL NO:

92/215

APPELLANT:

**HLACEY** 

PROPONENT:

MR M KING

PROPOSAL:

PROPOSED CLEARING OF 324HA OF LAND FOR AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN

SHIRE OF DUMBLEYUNG

#### NATURE OF APPEAL:

The appeal is lodged in objection to the level of assessment as set at informal by the Environmental Protection Authority for the above proposal.

#### **GROUNDS OF APPEAL:**

- Because clearing of the diminishing and threatened native vegetation resource is continuing in the State, formal EPA assessment is necessary
  - a. to protect:
    - species and habitats thereby preventing losses and extinctions
    - cultural and heritage values
  - b. to prevent land degradation caused by rising water tables and salinity
  - c. to enable the Land Conservation District Committee's views to be considered.

DECISION OF THE MINISTER:

UPHELD - to Consultative Environmental

Review

DATE OF DECISION:

APPEAL NO:

92/216

APPELLANT:

J FRITH

PROPONENT:

MR M KING

PROPOSAL:

PROPOSED CLEARING OF 324HA OF LAND FOR AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN

SHIRE OF DUMBLEYUNG

#### NATURE OF APPEAL:

The appeal is lodged in objection to the level of assessment as set at informal by the Environmental Protection Authority for the above proposal.

#### **GROUNDS OF APPEAL:**

- The potential for further salinisation in an overcleared and salinised landscape, in the face of Government and civic group efforts to restore it.
- 2 Important nature conservation values may be lost.
- 3 The public advertisement and informal assessment do not give adequate public information or access to expert opinion.

DECISION OF THE MINISTER:

UPHELD - to Consultative Environmental

Review

DATE OF DECISION:

APPEAL NO:

92/217

APPELLANT:

DENMARK ENVIRONMENT CENTRE

PROPONENT:

MR M KING

PROPOSAL:

PROPOSED CLEARING OF 324HA OF LAND FOR AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN

SHIRE OF DUMBLEYUNG

#### NATURE OF APPEAL:

The appeal is lodged in objection to the level of assessment as set at informal by the Environmental Protection Authority for the above proposal.

#### **GROUNDS OF APPEAL:**

- 1 The very high conservation values of the site.
- 2 Further clearing would add to the problems of land degradation.
- 3 Proper public environmental impact assessment is needed because of the great importance many South West residents are placing on remnant bushland conservation.

DECISION OF THE MINISTER:

UPHELD - to Consultative Environmental

Review

DATE OF DECISION:

APPEAL NO:

92/218

APPELLANT:

CONSERVATION COUNCIL OF WA

PROPONENT:

MR M KING

PROPOSAL:

PROPOSED CLEARING OF 324HA OF LAND FOR AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN

SHIRE OF DUMBLEYUNG

#### NATURE OF APPEAL:

The appeal is lodged in objection to the level of assessment as set at informal by the Environmental Protection Authority for the above proposal.

#### **GROUNDS OF APPEAL:**

- 1 The Department of Agriculture does not assess
  - nature conservation or biodiversity value, or
  - off-site land degradation threats when assessing land for clearing.
- 2 The size of the site and the extent of clearing of native vegetation make this area significant in the preservation of regional biodiversity.
- Formal assessment is necessary to give the public the opportunity to comment on the large-scale clearing that has been occurring in WA.

DECISION OF THE MINISTER:

UPHELD - to Consultative Environmental

Review

DATE OF DECISION:

APPEAL NO:

92/219

APPELLANT:

S MCNEE

PROPONENT:

MR M KING

PROPOSAL:

PROPOSED CLEARING OF 324HA OF LAND FOR AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN

SHIRE OF DUMBLEYUNG

#### NATURE OF APPEAL:

The appeal is lodged in objection to the level of assessment as set at informal by the Environmental Protection Authority for the above proposal.

#### **GROUNDS OF APPEAL:**

- There is a need for the role of natural vegetation in
  - hydrology and soil conservation and
  - conservation of flora and fauna

to be considered within the regional context in assessing clearing.

DECISION OF THE MINISTER: UPHELD - to Consultative Environmental Review

DATE OF DECISION:

APPEAL NO:

92/221

APPELLANT:

S SCOUGALL

PROPONENT:

MR M KING

PROPOSAL:

PROPOSED CLEARING OF 324HA OF LAND FOR

AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN

SHIRE OF DUMBLEYUNG

#### NATURE OF APPEAL:

The appeal is lodged in objection to the level of assessment as set at informal by the Environmental Protection Authority for the above proposal.

#### **GROUNDS OF APPEAL:**

- Areas subject to clearing proposals require assessment of their nature conservation values. This site is likely to have significant nature conservation and other values such as aesthetic and educational.
- All parties with an interest in native vegetation should be provided with ample opportunity to comment on proposals to clear land.

DECISION OF THE MINISTER:

UPHELD - to Consultative Environmental

Review

DATE OF DECISION:

APPEAL NO:

92/223

APPELLANT:

WILDFLOWER SOCIETY OF WA

PROPONENT:

MR M KING

PROPOSAL:

PROPOSED CLEARING OF 324HA OF LAND FOR AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN SHIRE OF DUMBLEYUNG

NATURE OF APPEAL:

The appeal is lodged in objection to the level of assessment as set at informal by the Environmental Protection Authority for the above proposal.

#### **GROUNDS OF APPEAL:**

No further bushland should be cleared for agricultural purposes within this Shire because

• the remnants are very important to both Flora and Fauna;

• groundwater quality and salinity may occur.

DECISION OF THE MINISTER:

UPHELD - to Consultative Environmental

Review

DATE OF DECISION:

APPEAL NO:

92/224

APPELLANT:

THE NATIONAL TRUST

PROPONENT:

MR M KING

PROPOSAL:

PROPOSED CLEARING OF 324HA OF LAND FOR AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN

SHIRE OF DUMBLEYUNG

# NATURE OF APPEAL:

The appeal is lodged in objection to the level of assessment as set at informal by the Environmental Protection Authority for the above proposal.

#### GROUNDS OF APPEAL:

- The proposal affects a relatively large area of bushland in a Shire which has, at most, only 12.8% native vegetation remaining.
- 2. Nature conservation and landscape values are not assessed in the clearing controls under the Soil and Land Conservation Act; CALM advice is not sought; the site has considerable conservation value.
- 3. The proposal will create further land degradation and salinity in the Blackwood River Catchment, which is undesirable and costly to the community in the long term.
- 4. The level of concern within the community at the continuing loss of native vegetation and of our natural heritage.

DECISION OF THE MINISTER:

UPHELD - to Consultative Environmental

Review

DATE OF DECISION:

APPEAL NO:

92/225

APPELLANT:

R LAMBECK

PROPONENT:

MR M KING

PROPOSAL:

PROPOSED CLEARING OF 324HA OF LAND FOR AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN

SHIRE OF DUMBLEYUNG

#### NATURE OF APPEAL:

The appeal is lodged in objection to the level of assessment as set at informal by the Environmental Protection Authority for the above proposal.

#### **GROUNDS OF APPEAL:**

1 The size of the site and the extent of clearing of native vegetation make this patch significant in the preservation of regional biodiversity.

DECISION OF THE MINISTER:

UPHELD - to Consultative Environmental

Review

DATE OF DECISION:

APPEAL NO:

92/226

APPELLANT:

NATIONAL THREATENED SPECIES NETWORK

PROPONENT:

MR M KING

PROPOSAL:

PROPOSED CLEARING OF 324HA OF LAND FOR AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN

SHIRE OF DUMBLEYUNG

#### NATURE OF APPEAL:

The appeal is lodged in objection to the level of assessment as set at informal by the Environmental Protection Authority for the above proposal.

# GROUNDS OF APPEAL:

- 1 Formal assessment is required to enable further studies to assess the local and regional significance of the block for
  - land conservation
  - nature conservation.

DECISION OF THE MINISTER: UPHELD to Consultative Environmental Review

DATE OF DECISION:

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# LIBRARY DEPARTMENT OF ENVIRONMENTAL PROTECTION WESTRALIA SQUARE 141 ST. GEORGES TERMACE, PERTH

# APPEAL DECISION SUMMARY

APPEAL NO:

92/214

APPELLANT:

AUSTRÁLIAN CONSERVATION FOUNDATION

PROPONENT:

MR M KING

PROPOSAL: PROPOSED CLEARING OF 324HA OF LAND FOR AGRICULTURE - WILLIAMS LOC 13895 NORTH KUKERIN SHIRE OF DUMBLEYUNG

#### NATURE OF APPEAL:

The appeal is lodged in objection to the level of assessment as set at informal by the Environmental Protection Authority for the above proposal.

#### **GROUNDS OF APPEAL:**

- 1 The public must have the right to informed comment on clearing proposals of this scale and significance.
- Current assessment procedures under the NOI process as administered by the Commissioner of Soil and Land Conservation are seriously inadequate to deal with the range of environmental factors, including nature conservation and off-site effects, which need to be considered in proposals to clear native vegetation.

DECISION OF THE MINISTER:

UPHELD - to Consultative Environmental

Review

DATE OF DECISION:

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