Perth
Urban
Bushland
Fungi

Modong Nature Reserve Fungi Report 2007

Written and produced by
Neale L. Bougher, Roz Hart
Sarah de Bueger & Brett Glossop

Department of Environment and Conservation
Perth Urban Bushland Fungi Project

Survey group in the bushland collecting fungi

The team vouchering the fungi back at the Herbarium

PUBF Website : www.fungiperth.org.au

Urban Bushland Council WA Inc

lotterywest supported

Government of Western Australia Department of Environment and Conservation

Western Australian Naturalists Club

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Advice about the identity of the fungi was provided by Dr Neale Bougher, Mycologist. Organisational and technical support was provided by officers on the PUBF project - Roz Hart, Sarah de Bueger, and Brett Glossop.

Photos and field assistance by PUBF participants

PUBF Website : www.fungiperth.org.au

Perth Urban Bushland Fungi Project Mycologist Neale Bougher and Community Education Officer Roz Hart conducted a biological survey for fungi in Modong Nature Reserve, part of Jandakot Regional Park on 3 July 2007. Fungi Leaders and volunteers from the Perth Urban Bushland Fungi (PUBF) Project and Jandakot Regional Park Operations Officer Tony Eddleston assisted with the fungi survey.

This fungi survey was conducted as part of a **Department of Environment and Conservation (DEC) Regional Parks Community Grant** awarded to the Perth Urban Bushland Fungi Project to survey three sites in nominated DEC Regional Parks. Modong Nature Reserve is part of Jandakot Regional Park. The survey party divided into two groups, with both starting from the same point on the eastern side of the park.

Modong Nature Reserve Fungi: 3 July 2007

The survey at Modong Nature Reserve was preceded by below average rainfall for June 2007. Nevertheless 65 records including 48 different fungi were recorded, and 25 specimens vouchered into the WA Herbarium. These include genera of decomposer fungi such as *Mycena*, *Pholiota* and *Pycnoporus*, and beneficial mycorrhizal fungi belonging to genera such as *Hebeloma, Scleroderma and Laccaria*, and some mycorrhizal truffle fungi, e.g. *Descomyces angustisporus*. This is the second survey of fungi to be conducted at Modong Nature Reserve. A total of 33 species of fungi were recorded in the inaugural survey at the Reserve on 9 July 2006.

Only 18 out of 48 (37.5%) of the fungi species recorded in 2007 were the same as those recorded in the 2006 survey. About 73 species of fungi are currently known to be present in Modong Nature Reserve. It is likely that many more fungi occur in the park. This is emphasized by the finding that 62.5% (30) of the 48 fungi recorded in the year 2007 survey are new records for Modong Nature Reserve (fungi not recorded in the previous surveys and not previously for the Reserve). The figures are estimates because some of the fungi recorded in this and the previous survey remain unidentified pending further collections or more detailed comparative analyses. Many of the fungi could only be identified to genus level. This is because detailed taxonomic examinations are yet to be completed, or perhaps some specimens are undescribed species. Also the confirmation of fungi diversity so far needs to be considered in the light of the fact that the two surveys so far have been restricted mainly to the Melaleuca Woodland and Banksia Woodland vegetation types at Modong Nature Reserve, and the Banksia-Jarrah Low Open Woodland vegetation in the south-western part of the Reserve has not been surveyed. Because of the unpredictable nature of fungi fruiting, surveys need to be conducted over many years in order to capture the biodiversity of fungi present in any given area. Such inventory data can be used as a baseline to monitor changes in biodiversity at the park, such as any trend towards reduction in the diversity of significant ecological groups of fungi such as mycorrhizal species, and the effects of major disturbances such as fire or disease incursions.

Management recommendations for understanding and conserving Fungi Biodiversity at Modong Nature Reserve

The Management Plan 2004-2013 for Jandakot Regional Park, which includes Modong Nature Reserve, has a major strategy objective to "manage the Park for biodiversity conservation". Fungi are not considered in the current Management Plan, but to help achieve management objectives relating to flora and fauna conservation at the park the Flora, Fauna and Fungi may need to be considered together. The Fungi have crucial ecological roles for maintaining bushland health, including linkages between the 3 F's. An increased level of knowledge about the fungi at Modong Nature Reserve is required as a basis for documenting and understanding the fungi, and in turn for helping to manage the Park's Flora and Fauna.

Management recommendations involving fungi include:

1. **Undertake biological surveys to build up an inventory of fungi:** Far more fungi are likely to occur in Modong Nature Reserve than those recorded in the inaugural surveys. Because of the unpredictable nature of fungi fruiting, surveys need to be conducted over many years in order to capture the biodiversity of fungi present in any given area. Such inventory data can be used as a baseline for monitoring changes in biodiversity at Modong Nature Reserve, such as any trend towards reduction in the diversity of significant ecological groups of fungi such as mycorrhizal species, and the effects of major disturbances such as fire or disease incursions.
2. **Record comprehensive data on surveys:** (i) the identity of the fungi (ii) the main features of the fungi (including close-up photographs), (iii) habitat (in litter, on dead wood etc…), (iv) plant species associated with each of the fungi. Standard recording sheets for fungi biodiversity surveys are available on request from PUBF.

3. **Georeference the surveys:** It is desirable to georeference all surveys at Modong Nature Reserve to build up a spatial map of distribution of individual fungi species, as has been done for the first two surveys. Such data can be overlain onto vegetation, soil and fire-age maps so as to potentially recognize associations between particular fungi and plants or vegetation and landscape types. A georeferencing survey kit developed by John Weaver for PUBF is available on loan from the WA Herbarium.
4. **Involve community:** It is recommended that further fungi surveys involving members of the local community be undertaken at Modong Nature Reserve. The involvement of community members can facilitate a greater sampling effort, a general increase in awareness of fungi and their roles and linkages in bushlands, and a greater appreciation of the need to preserve bushland. Fungi surveys are well suited to annual involvement of Friends Groups and volunteers from the local community.
5. **Determine the mycorrhizal plant partners of fungi.** To understand the mycorrhizal relationships between fungi and plants at Modong Nature Reserve, the list of known plants at Modong should be annotated with the likely mycorrhizal status of each plant, e.g. categories such as - ectomycorrhizal, arbuscular, epacrid, orchid, not mycorrhizal. This will help understand how the pattern of occurrence of various species of fungi relates to the distribution of vegetation types at Modong Nature Reserve.
6. **Determine animal interactions with fungi:** Determine what truffle fungi are present at Modong Nature Reserve, and if they and other fungi are being used as a food resource by local native mammals. Such information has significant application if mammals are being encouraged or relocated into the area, or to help understand why there may have been declines in mammal populations at Modong Nature Reserve.
7. **Include Flora, Fauna and Fungi in signage and interpretative material at the Park:** to promote public awareness and appreciation of the conspicuous and less conspicuous biodiversity at Modong Nature Reserve and the linkages between the 3F's that influence the long-term health of the Park.
8. **Support a strategy for the preservation of representative landscapes:** Support a management plan that aims to preserve a variety of natural vegetation types and the diversity of plant species within the type groups. Also preserve a diversity of fire ages, including at least some long-unburnt patches if possible. This strategy will help retain a variety of microhabitats for fungi – e.g. specific components of wood (logs, cones, twigs etc…), litter, moss beds, and specific mycorrhizal partner plants. In turn, this strategy may foster fungi and other biodiversity at Modong Nature Reserve.

References:

Bougher, N.L (2007 updated 3rd edition). Perth Urban Bushland Fungi Field Book. Perth Urban Bushland Fungi , Perth, Western Australia (self managed format liked to www.fungiperth.org.au).

Bougher, N.L., Hart, R., & de Bueger S. (2006) Modong Nature Reserve Client Report, Perth Urban Bushland Fungi , Perth, Western Australia (22 pages).

Department of Environment and Conservation Jandakot Regional Park Draft Management Plan 2004-2013, Perth, Western Australia.

Modong Nature Reserve Fungi List : 17 July 2007

Life Mode Key: M = Mycorrhizal, S = Saprotrophic (Decomposer), S/P = Saprotrophic and Parasitic. Life Mode allocation is based on probability only, as many fungi have not been tested.

Field Book Page # refers to the Perth Urban Bushland Fungi Field Book which is available for downloading from the project website at www.fungiperth.org.au

Fungimap Target: refers to species that have been selected by the Australia-wide mapping project, Fungimap, for collecting detailed records to be compiled into distribution maps. See Fungimap on-line at www.rbg.vic.gov.au/fungimap and the book *Fungi Down Under* by Grey, P. and Grey, E (2005).

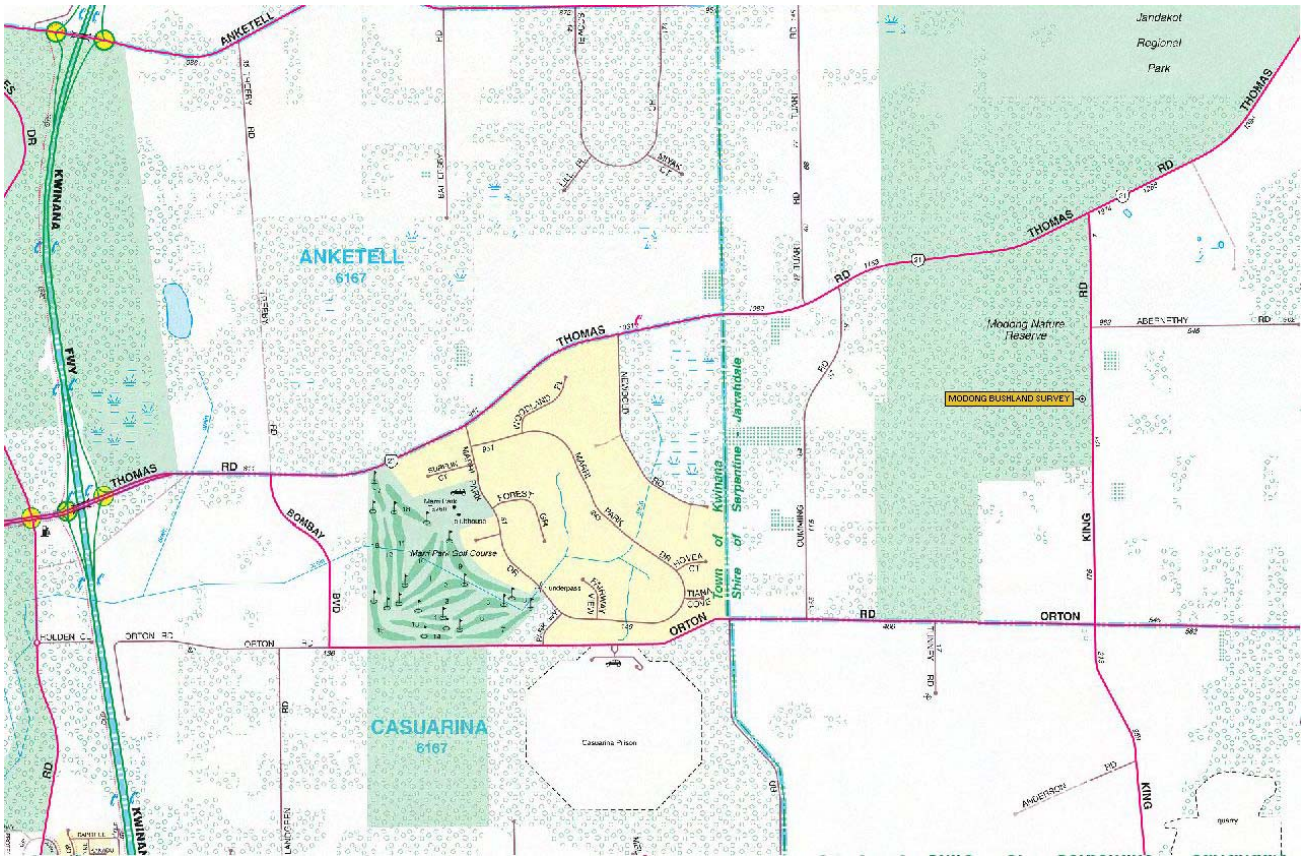
Scientific Name	Common Name	Form	Habitat	Life Mode	Fungimap Target	Field Book Page #	Specimen ID
***Agaricus* sp.**		mushroom	litter/ground	S			3188
Aleurina ferruginea	**Fleshy Cup Fungus**	cup	litter/ground	S		A-1	3180
***Amanita* sp.**		mushroom	litter/ground	M			3178
Calocera guepinioides	**Scotsman's Beard**	jelly fungus	dead wood	S		Q-1	3162, 3198
Clitocybe semiocculta	**Shy Funnel Cap**	shell	dead wood	S		J-4	3184
Coprinellus truncorum/micaceus	**Glistening Ink Cap**	mushroom	dead wood	S		J-10	3223
Crepidotus nephrodes		shell	dead wood	S			3189, 3205
***Crepidotus* sp.**		shell	dead wood	S			3208
***Dacryopinax* sp.**		jelly	dead wood	S			3160
Dermocybe clelandii	**Cleland's Cortinar**	mushroom	litter/ground	M			3203
Descomyces angustiporus		truffle	underground	M			3167
***Entoloma* sp.**		mushroom	litter/ underground	S			3204
***Exidia* sp.**		jelly fungus	dead wood	S			3177
***Galerina* sp.**		mushroom	litter/ground	S			3164, 3201, 3210, 3212, 3215
Gymnopilus allantopus	**Golden Wood Fungus**	mushroom	dead wood	S		J-15	3161, 3194
Gymnopilus purpuratus		mushroom	dead wood	S			3200
***Hebeloma* sp.**		mushroom	litter/ground	M			3170
Heterotextus peziziformis		jelly	dead wood	S			3197
Hjorstamia crassa		resupinate	dead wood	S			3221
***Hohenbuehelia* sp.**		shell	dead wood	S			3213, 3219
***Inocybe* sp.**		mushroom	litter/ground	M			3174, 3179, 3193, 3211, 3218
Laccaria lateritia	**Brick Red Laccaria**	mushroom	litter/ground	M		J-17	3165

Scientific Name	Common Name	Form	Habitat	Life Mode	Fungimap Target	Field Book Page #	Specimen ID
***Laccaria* sp.**		mushroom	litter/ground	M			3172, 3222
Leocarpus fragilis	**Slime Mould**	slime mould	dead wood	S			3182
***Lepiota* sp.**		mushroom	litter/ground	S			3217
Lichenomphalia chromacea		mushroom	moss bed	S/P			3169
Lichenomphalia umbellifera		mushroom	moss bed	S/P			3181, 3196
***Mycena* sp.**		mushroom	litter/ground	S			3163, 3176, 3195
Mycoacia subceracea	**Golden Splash Tooth**	resupinate	dead wood	S	Yes	O-4	3185
Pholiota communis	**Common Pholiota**	mushroom	litter/ground	S		J-26	3199
***Pisolithus* sp.**	**Dog Poo Fungus**	puffball	litter/ground	M		L-3	3171
Pluteus atromarginatus		mushroom	dead wood	S			3206
Pluteus lutescens		mushroom	dead wood	S			3186
***Pluteus* sp.**		mushroom	dead wood	S			3192
Poronia erici	**Dung Buttons**	button	dung	S	Yes	D-1	3207
***Psathyrella* sp.**		mushroom	litter/ground	S			3173, 3191
Psilocybe coprophila		mushroom	dung	S			3220
Pycnoporus coccineus	**Scarlet Bracket Fungus**	bracket	dead wood	S		N-8	3166, 3214
Rickenella fibula	**Orange Mosscap**	mushroom	litter/ground	S		J-27	3202
***Scleroderma* sp.**		puffball	litter/ground	M		L-4	3183
Trechispora* cf. *farinacea		resupinate	litter	S			3168
***Tremella mesenterica* group**	**Yellow Brain Fungus**	jelly fungus	dead wood	S	Yes	Q-2	3224
Tubifera ferruginosa	**Strawberry Slime Mould**	slime mould	dead wood	S			3209
Undetermined Agaric		mushroom	litter/ground	?			3187
Undetermined Ascomycete		cup	litter/ground	S			3175, 3216
Undetermined Slime Mould	**Slime Mould**	slime mould	dead wood	S			3190

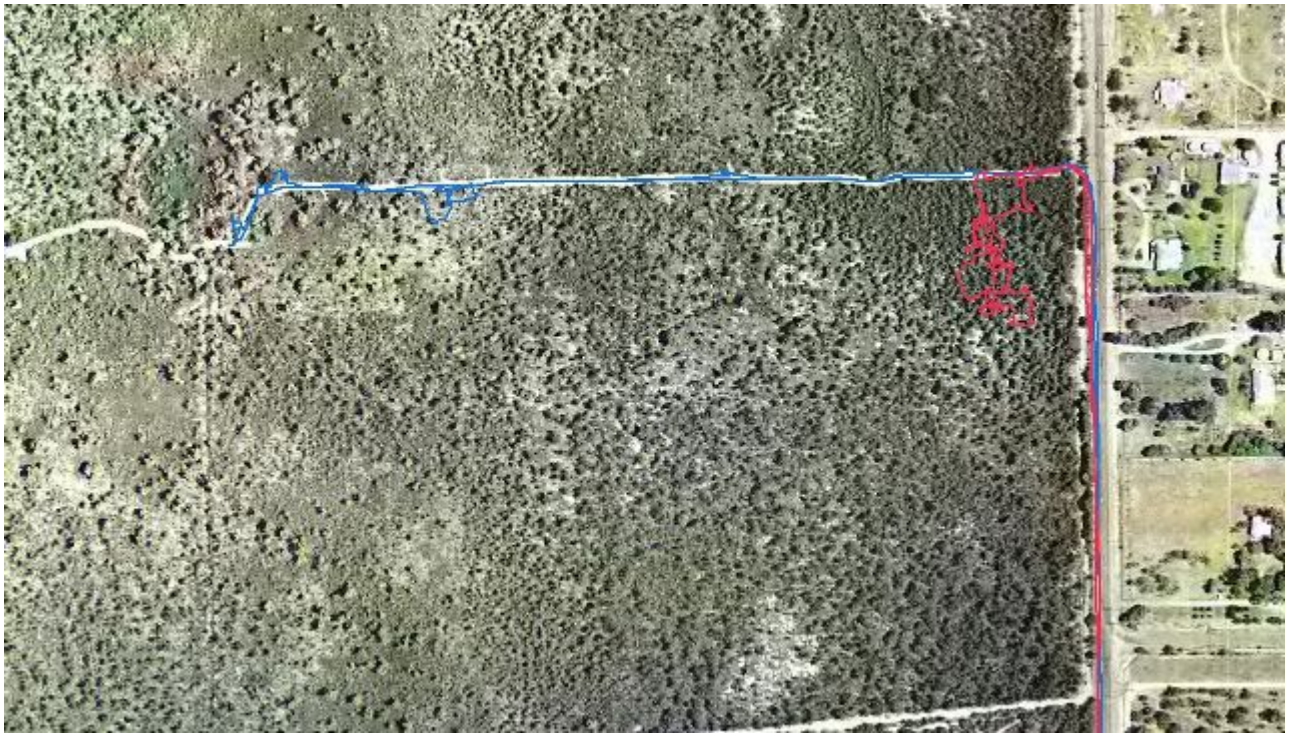
Permanent Vouchered Specimens

Twenty five of the fungi collected during this event were deposited into the WA Herbarium fungi collection with the following details:

Aleurina ferruginea	**Voucher ID:** E9007	**Specimen ID:** 3180
***Amanita* sp.**	**Voucher ID:** E9001	**Specimen ID:** 3178
Clitocybe semiocculta	**Voucher ID:** E9006	**Specimen ID:** 3184
***Crepidotus* sp.**	**Voucher ID:** E9004	**Specimen ID:** 3208
***Dacryopinax* sp.**	**Voucher ID:** E9016	**Specimen ID:** 3160
Descomyces angustiporus	**Voucher ID:** E9013	**Specimen ID:** 3167
***Entoloma* sp.**	**Voucher ID:** E9009	**Specimen ID:** 3204
Gymnopilus allantopus	**Voucher ID:** E9003	**Specimen ID:** 3161
***Hohenbuehelia* sp.**	**Voucher ID:** E9010	**Specimen ID:** 3219
***Hohenbuehelia* sp.**	**Voucher ID:** E9012	**Specimen ID:** 3213
***Inocybe* sp.**	**Voucher ID:** E9024	**Specimen ID:** 3193
***Inocybe* sp.**	**Voucher ID:** E9023	**Specimen ID:** 3179
***Inocybe* sp.**	**Voucher ID:** E9025	**Specimen ID:** 3174
***Inocybe* sp.**	**Voucher ID:** E9015	**Specimen ID:** 3218
***Laccaria* sp.**	**Voucher ID:** E9020	**Specimen ID:** 3172
***Laccaria lateritia*.**	**Voucher ID:** E9005	**Specimen ID:** 3165
Lichenomphalia chromacea	**Voucher ID:** E9022	**Specimen ID:** 3169
Lichenomphalia umbellifera	**Voucher ID:** E9017	**Specimen ID:** 3196
Lichenomphalia umbellifera	**Voucher ID:** E9021	**Specimen ID:** 3181
***Mycena* sp.**	**Voucher ID:** E9008	**Specimen ID:** 3163
Mycoacia subceracea	**Voucher ID:** E9002	**Specimen ID:** 3185
Pluteus atromarginatus	**Voucher ID:** E9014	**Specimen ID:** 3206
Pluteus lutescens	**Voucher ID:** E9018	**Specimen ID:** 3186
Trechispora* cf. *farinacea	**Voucher ID:** E9019	**Specimen ID:** 3168
Undetermined Agaric	**Voucher ID:** E9011	**Specimen ID:** 3187



StreetExpress map showing the location of Modong Nature Reserve, Bush Forever Site 348.

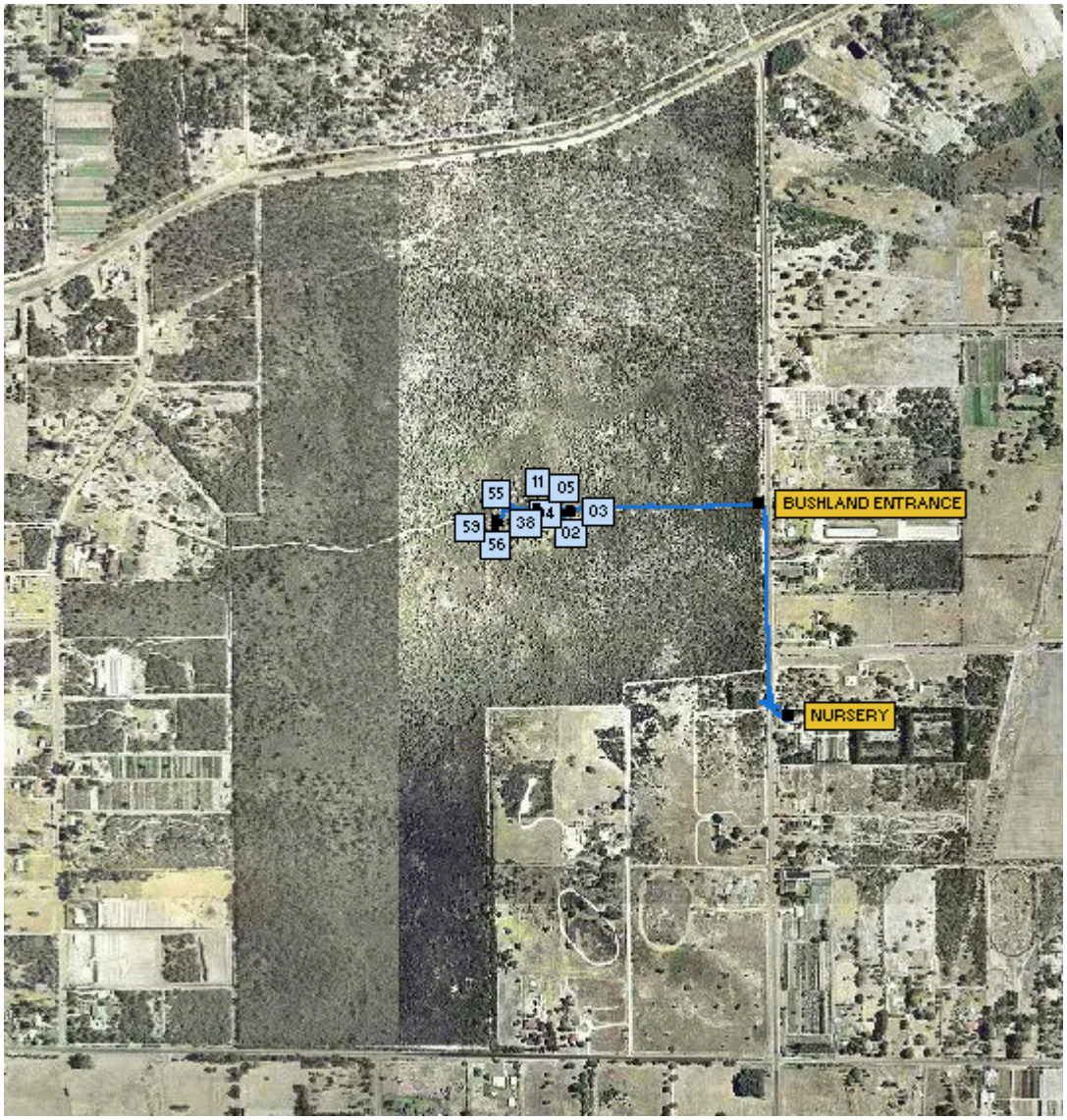


Colour coded tracks in detail for the two routes taken on 3 July 2007.

OziExplorer and OziPhotoTool were used to produce the track and linked fungi photos.

Georeferenced Track and Photos

Date : 3 July 2007
Group: Neale Bougher, Jolanda Keeble, Peter Davison and Phylis Robertson.



The numbers on the coloured dots in the fungi photos correspond to the collecting number and usually **do not** match the photo number. It is the **photo number** preceding the fungus name, which correlates with the site on the map above.

Event: Modong Bushland, Jandakot Regional Park Date: 3/07/2007
Group Number: 216 Photographer: Jolanda Keeble

02 *Dacryopinax* sp.

Specimen ID: 3160

Growing on dead wood in *Kunzea glabrescens* shrubland/wetland.
Latitude: 32° 13' 36.3"South Longitude: 115° 53' 59"East

3/07/2007

Image: MD73_216JK02

Vouchered WA Herbarium: **E9016**

StreetExpress map reproduced with permission of DLI, P332, Aerial photos reproduced with permission of DLI, 13/2005.
OziExplorer and OziPhotoTool were used to produce the track and linked fungi photos.

03 *Gymnopilus allantopus* **Golden Wood Fungus**

Specimen ID: 3161

Growing on dead wood in *Kunzea glabrescens* shrubland/wetland.

Latitude: 32° 13' 36.3"South Longitude: 115° 53' 59"East

3/07/2007

Image: MD73_216JK03

Vouchered WA Herbarium: **E9003**

04 *Calocera guepinioides* **Scotsman's Beard**

Specimen ID: 3162

Growing on dead wood.

Latitude: 32° 13' 36.3"South Longitude: 115° 53' 59"East

3/07/2007

Image: MD73_216JK04

05 *Mycena* sp.

Specimen ID: 3163

Growing amongst decayed litter, under *Euclayptus todtiana* in shrubland/wetland.

Latitude: 32° 13' 36.8"South Longitude: 115° 53' 58.5"East

3/07/2007

Image: MD73_216JK05

Vouchered WA Herbarium: **E9008**

06 *Galerina* sp.

Specimen ID: 3164

Growing in sand in *Kunzea glabrescens*/melaleuca shrubland/wetland.

Latitude: 32° 13' 36.8"South Longitude: 115° 53' 59"East

3/07/2007

Image: MD73_216JK06

07 *Laccaria lateritia* **Brick Red Laccaria**

Specimen ID: 3165

Growing in sand and litter in *Kunzea glabrescens*/melaleuca shrubland.

Latitude: 32° 13' 36.8"South Longitude: 115° 53' 59"East

3/07/2007

Image: MD73_216JK07

Vouchered WA Herbarium: **E9005**

OziExplorer and OziPhotoTool were used to produce the track and linked fungi photos.

08 *Pycnoporus coccineus* **Scarlet Bracket Fungus**

Specimen ID: 3166

Growing on dead wood in *Kunzea glabrescens*/melaleuca shrubland/wetland.

Latitude: 32° 13' 36.8"South Longitude: 115° 53' 59"East

3/07/2007

Image: MD73_216JK08

09 *Descomyces angustiporus*

Specimen ID: 3167

Growing in sand, under *Euclayptus todtiana* in *Kunzea glabrescens*/melaleuca shrubland/wetland.

Latitude: 32° 13' 36.8"South Longitude: 115° 53' 59"East

3/07/2007

Image: MD73_216JK09

Vouchered WA Herbarium: **E9013**

10 *Trechispora* cf. *farinacea*

Specimen ID: 3168

Growing on dead, burnt *Eucalyptus todtiana* bark and litter in shrubland/wetland.

Latitude: 32° 13' 37.1"South Longitude: 115° 53' 58.2"East

3/07/2007

Image: MD73_216JK10

Vouchered WA Herbarium: **E9019**

11 *Lichenomphalia chromacea*

Specimen ID: 3169

Growing amongst moss in *Kunzea glabrescens* /melaleuca shrubland/wetland.

Latitude: 32° 13' 36.3"South Longitude: 115° 53' 56.3"East

3/07/2007

Image: MD73_216JK11

Vouchered WA Herbarium: **E9022**

16 *Hebeloma* sp.

Specimen ID: 3170

Growing in sand under dead astartea in shrubland/wetland.

Latitude: 32° 13' 36.3"South Longitude: 115° 53' 56.3"East

3/07/2007

Image: MD73_216JK16

17 *Pisolithus* sp. **Dog Poo Fungus**

Specimen ID: 3171

Growing in sand in shrubland/wetland.

Latitude: 32° 13' 36.3"South Longitude: 115° 53' 55.8"East

3/07/2007

Image: MD73_216JK17

18 *Laccaria* sp.

Specimen ID: 3172
Growing in sand near *Eucalyptus rudis* in shrubland/woodland.
Latitude: 32° 13' 36.4"South Longitude: 115° 53' 54.7"East
3/07/2007
Image: MD73_216JK18
Vouchered WA Herbarium: **E9020**

19 *Psathyrella* sp.

Specimen ID: 3173
Growing in sand near *Eucalyptus rudis* in shrubland/woodland.
Latitude: 32° 13' 36.3"South Longitude: 115° 53' 54.5"East
3/07/2007
Image: MD73_216JK19

20 *Inocybe* sp.

Specimen ID: 3174
Growing in sand near *Eucalyptus rudis* in shrubland/woodland.
Latitude: 32° 13' 36.3"South Longitude: 115° 53' 54.5"East
3/07/2007
Image: MD73_216JK20
Vouchered WA Herbarium: **E9025**

23 Undetermined Ascomycete

Specimen ID: 3175
Growing amongst litter in woodland/shrubland/wetland.
Latitude: 32° 13' 36.2"South Longitude: 115° 53' 54.5"East
3/07/2007
Image: MD73_216JK23

24 *Mycena* sp.

Specimen ID: 3176
Growing in sand in woodland/shrubland/wetland.
Latitude: 32° 13' 36.2"South Longitude: 115° 53' 54.5"East
3/07/2007
Image: MD73_216JK24

25 *Exidia* sp.

Specimen ID: 3177
Growing on dead *Eucalyptus rudis* in woodland/shrubland/wetland.
Latitude: 32° 13' 36.2"South Longitude: 115° 53' 54.5"East
3/07/2007
Image: MD73_216JK25

OziExplorer and OziPhotoTool were used to produce the track and linked fungi photos.

27 *Amanita* sp.

Specimen ID: 3178

Growing in sand with *Eucalyptus rudis* close by.
Latitude: 32° 13' 36.2"South Longitude: 115° 53' 54.5"East
3/07/2007
Image: MD73_216JK27
Vouchered WA Herbarium: **E9001**

28 *Inocybe* sp.

Specimen ID: 3179

Growing in sand in woodland/shrubland/swampland.
Latitude: 32° 13' 36.5"South Longitude: 115° 53' 54"East
3/07/2007
Image: MD73_216JK28
Vouchered WA Herbarium: **E9023**

34 *Aleurina ferruginea* **Fleshy Cup Fungus**

Specimen ID: 3180

Growing in sand, amongst litter in melaleuca woodland/shrubland/swamp.
Latitude: 32° 13' 36.4"South Longitude: 115° 53' 54.1"East
3/07/2007
Image: MD73_216JK34
Vouchered WA Herbarium: **E9007**

35 *Lichenomphalia umbellifera*

Specimen ID: 3181

Growing in sand, amongst mossy litter in melaleuca woodland/shrubland/wetland.
Latitude: 32° 13' 36.4"South Longitude: 115° 53' 54.1"East
3/07/2007
Image: MD73_216JK35
Vouchered WA Herbarium: **E9021**

36 *Leocarpus fragilis* **Slime Mould**

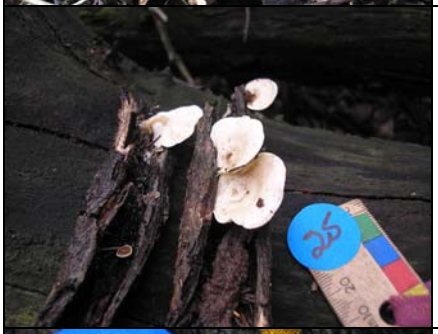
Specimen ID: 3182

Growing amongst litter in melaleuca woodland/shrubland/wetland.
Latitude: 32° 13' 36.4"South Longitude: 115° 53' 53.8"East
3/07/2007
Image: MD73_216JK36

38 *Scleroderma* sp.

Specimen ID: 3183

Growing in sand in *Kunzea glabrescens*/melaleuca woodland/shrubland/wetland.
Latitude: 32° 13' 34.3"South Longitude: 115° 53' 53.4"East
3/07/2007 Image: MD73_216JK38



39 *Clitocybe semiocculta* **Shy Funnel Cap**

Specimen ID: 3184

Growing on dead wood in *Kunzea glabrescens*/melaleuca woodland/shrubland/wetland.
Latitude: 32° 13' 34.3"South Longitude: 115° 53' 53.4"East
3/07/2007 Image: MD73_216JK39
Vouchered WA Herbarium: **E9006**

40 *Mycoacia subceracea* **Golden Splash Tooth**

Specimen ID: 3185

Growing on dead *Eucalyptus rudis* in woodland/shrubland/wetland.
Latitude: 32° 13' 37.3"South Longitude: 115° 53' 53.2"East
3/07/2007 **Fungimap Target** Image: MD73_216JK40
Vouchered WA Herbarium: **E9002**

46 *Pluteus lutescens*

Specimen ID: 3186

Growing on dead *Eucalyptus rudis* in woodland/shrubland/wetland.
Latitude: 32° 13' 37.3"South Longitude: 115° 53' 53.2"East
3/07/2007 Image: MD73_216JK46
Vouchered WA Herbarium: **E9018**

48 Undetermined Agaric

Specimen ID: 3187

Growing on dead *Eucalyptus rudis* in woodland/shrubland/wetland.
Latitude: 32° 13' 37.3"South Longitude: 115° 53' 53.2"East
3/07/2007 Image: MD73_216JK48
Vouchered WA Herbarium: **E9011**

51 *Agaricus* sp.

Specimen ID: 3188

Growing in sand adjacent to *Eucalyptus rudis* in woodland/shrubland/wetland.
Latitude: 32° 13' 37.3"South Longitude: 115° 53' 53.2"East
3/07/2007 Image: MD73_216JK51

53 *Crepidotus nephrodes*

Specimen ID: 3189

Growing on dead *Eucalyptus rudis* in woodland/shrubland/wetland.
Latitude: 32° 13' 37.3"South Longitude: 115° 53' 53.2"East

3/07/2007

Image: MD73_216JK53

54 Undetermined Slime Mould **Slime Mould**

Specimen ID: 3190

Growing on dead *Eucalyptus rudis* in woodland/shrubland/wetland.
Latitude: 32° 13' 37.1"South Longitude: 115° 53' 53.3"East

3/07/2007

Image: MD73_216JK54

55 *Psathyrella* sp.

Specimen ID: 3191

Growing on dead *Eucalyptus rudis* in woodland/shrubland/wetland.
Latitude: 32° 13' 37.1"South Longitude: 115° 53' 53.3"East

3/07/2007

Image: MD73_216JK55

56 *Pluteus* sp.

Specimen ID: 3192

Growing on dead *Eucalyptus rudis* in woodland/shrubland/wetland.
Latitude: 32° 13' 37.1"South Longitude: 115° 53' 53.3"East

3/07/2007

Image: MD73_216JK56

59 *Inocybe* sp.

Specimen ID: 3193

Growing in sand in woodland/shrubland/wetland.
Latitude: 32° 13' 37.5"South Longitude: 115° 53' 53.3"East

3/07/2007

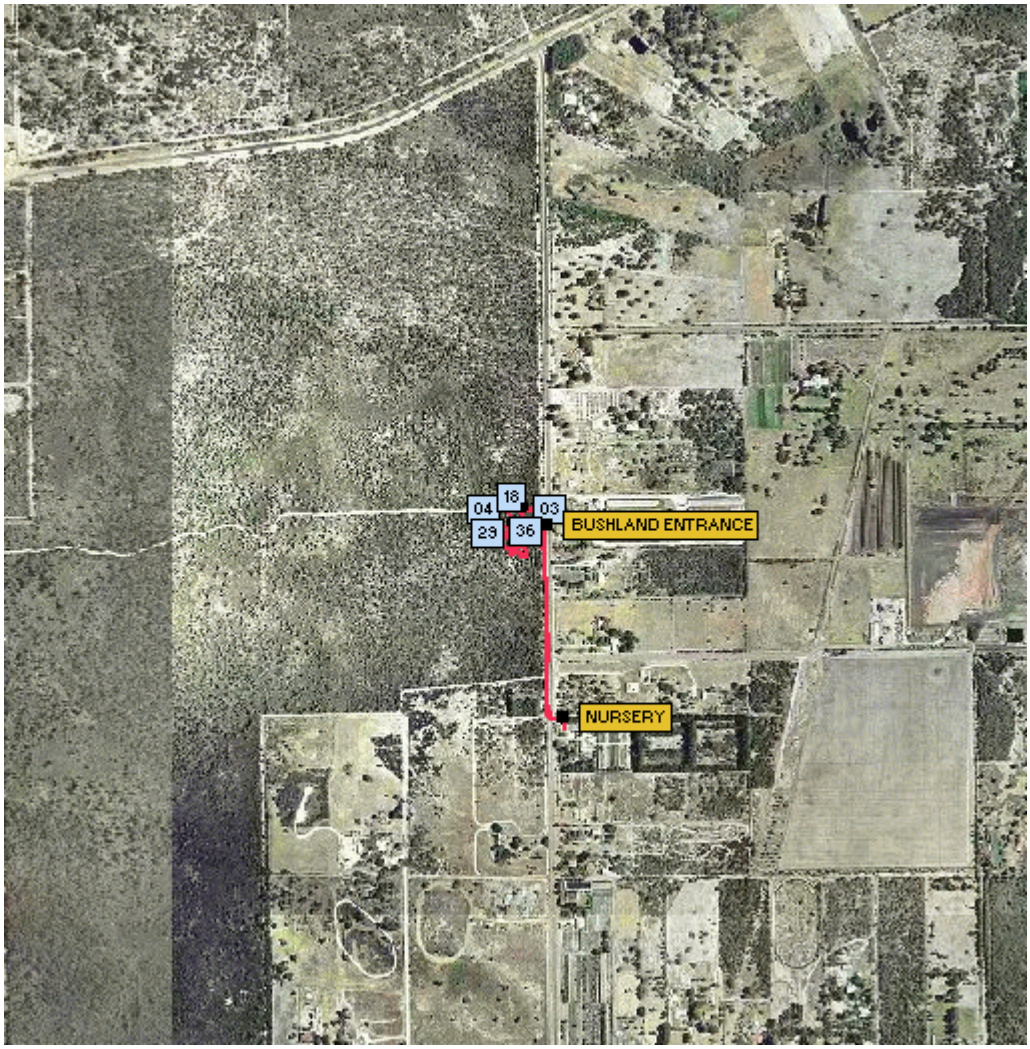
Image: MD73_216JK59

Vouchered WA Herbarium: **E9024**

Georeferenced Track and Photos

Date : 3 July 2007

Group: Roz Hart, Joe Froudist, Helena Williams and Jandakot Regional Park Operations Officer Tony Eddleston.



The numbers on the coloured dots in the fungi photos correspond to the collecting number and usually **do not** match the photo number. It is the **photo number** preceding the fungus name, which correlates with the site on the map above.

Event: Modong Bushland, Jandakot Regional Park Date: 3/07/2007
Group Number: 217 Photographer: Joe Froudist

03 *Gymnopilus allantopus*

Golden Wood Fungus
Specimen ID: 3194

Growing on dead wood in banksia woodland.
Latitude: 32° 13' 36.4"South Longitude: 115° 54' 12.4"East

3/07/2007

Image: MD73_217JF03

StreetExpress map reproduced with permission of DLI, P332, Aerial photos reproduced with permission of DLI, 13/2005.
OziExplorer and OziPhotoTool were used to produce the track and linked fungi photos.

04 *Mycena* sp.

Specimen ID: 3195

Growing in sand in *Kunzea glabrescens* woodland.
Latitude: 32° 13' 36.4"South Longitude: 115° 54' 12.4"East
3/07/2007
Image: MD73_217JF04

05 *Lichenomphalia umbellifera*

Specimen ID: 3196

Growing in sand, amongst moss in *Kunzea glabrescens* woodland.
Latitude: 32° 13' 36.2"South Longitude: 115° 54' 11.5"East
3/07/2007
Image: MD73_217JF05
Vouchered WA Herbarium: **E9017**

06 *Heterotextus peziziformis*

Specimen ID: 3197

Growing on dead wood in low *Kunzea glabrescens* woodland.
Latitude: 32° 13' 36.2"South Longitude: 115° 54' 11.5"East
3/07/2007
Image: MD73_217JF06

07 *Calocera guepinioides* **Scotsman's Beard**

Specimen ID: 3198

Growing on dead wood in low *Kunzea glabrescens* woodland.
Latitude: 32° 13' 36.4"South Longitude: 115° 54' 11.5"East
3/07/2007
Image: MD73_217JF07

08 *Pholiota communis* **Common Pholiota**

Specimen ID: 3199

Growing in sand in woodland.
Latitude: 32° 13' 36.2"South Longitude: 115° 54' 17.5"East
3/07/2007
Image: MD73_217JF08

09 *Gymnopilus purpuratus*

Specimen ID: 3200

Growing on dead melaleuca wood in woodland.
Latitude: 32° 13' 36.2"South Longitude: 115° 54' 11.5"East
3/07/2007
Image: MD73_217JF09

10 *Galerina* sp.

Specimen ID: 3201

Growing amongst litter and near moss in *Banksia littoralis* woodland.

Latitude: 32° 13' 36.2"South Longitude: 115° 54' 17.5"East

3/07/2007

Image: MD73_217JF10

11 *Rickenella fibula* **Orange Mosscap**

Specimen ID: 3202

Growing in sand, amongst moss in woodland.

Latitude: 32° 13' 36.2"South Longitude: 115° 54' 11.5"East

3/07/2007

Image: MD73_217JF11

12 *Dermocybe clelandii* **Cleland's Cortinar**

Specimen ID: 3203

Growing in litter near *Melaleuca preissiana* woodland.

Latitude: 32° 13' 36.2"South Longitude: 115° 54' 11.5"East

3/07/2007

Image: MD73_217JF12

14 *Entoloma* sp.

Specimen ID: 3204

Growing in sand amongst litter in banksia/melaleuca/ *Kunzea glabrescens* woodland.

Latitude: 32° 13' 36.9"South Longitude: 115° 54' 11.6"East

3/07/2007

Image: MD73_217JF14

Vouchered WA Herbarium: **E9009**

15 *Crepidotus nephrodes*

Specimen ID: 3205

Growing on bark of dead banksia in banksia/melaleuca/ *Kunzea glabrescens* woodland.

Latitude: 32° 13' 36.9"South Longitude: 115° 54' 11.6"East

3/07/2007

Image: MD73_217JF15

17 *Pluteus atromarginatus*

Specimen ID: 3206

Growing amongst litter and next to dead wood in banksia/melaleuca/ *Kunzea glabrescens* woodland.

Latitude: 32° 13' 36.9"South Longitude: 115° 54' 11.6"East

3/07/2007

Image: MD73_217JF17

Vouchered WA Herbarium: **E9014**

OziExplorer and OziPhotoTool were used to produce the track and linked fungi photos.

18 *Poronia erici* **Dung Buttons**

Specimen ID: 3207

Growing on kangaroo dung in banksia/melaleuca/ *Kunzea glabrescens* woodland.

Latitude: 32° 13' 37.2"South Longitude: 115° 54' 11.5"East

3/07/2007 **Fungimap Target**

Image: MD73_217JF18

19 *Crepidotus* sp.

Specimen ID: 3208

Growing on living wood in banksia/melaleuca/ *Kunzea glabrescens* woodland.

Latitude: 32° 13' 37.3"South Longitude: 115° 54' 11.4"East

3/07/2007

Image: MD73_217JF19

Vouchered WA Herbarium: **E9004**

20 *Tubifera ferruginosa* **Strawberry Slime Mould**

Specimen ID: 3209

Growing on dead banksia in woodland.

Latitude: 32° 13' 37.4"South Longitude: 115° 54' 11.3"East

3/07/2007

Image: MD73_217JF20

21 *Galerina* sp.

Specimen ID: 3210

Growing amongst litter in woodland.

Latitude: 32° 13' 37.4"South Longitude: 115° 54' 11.3"East

3/07/2007

Image: MD73_217JF21

22 *Inocybe* sp.

Specimen ID: 3211

Growing amongst litter in woodland.

Latitude: 32° 13' 37.4"South Longitude: 115° 54' 11.3"East

3/07/2007

Image: MD73_217JF22

23 *Galerina* sp.

Specimen ID: 3212

Growing on dead wood in woodland.

Latitude: 32° 13' 37.8"South Longitude: 115° 54' 11.3"East

3/07/2007

Image: MD73_217JF23

24 *Hohenbuehelia* sp.

Specimen ID: 3213

Growing in sand amongst litter and moss in woodland.
Latitude: 32° 13' 37.8"South Longitude: 115° 54' 11.7"East
3/07/2007
Image: MD73_217JF24

Vouchered WA Herbarium: **E9012**

25 *Pycnoporus coccineus* — Scarlet Bracket Fungus

Specimen ID: 3214

Growing on dead melaleuca in woodland.
Latitude: 32° 13' 37.8"South Longitude: 115° 54' 11.1"East
3/07/2007
Image: MD73_217JF25

26 *Galerina* sp.

Specimen ID: 3215

Growing on dead melaleuca in woodland.
Latitude: 32° 13' 37.9"South Longitude: 115° 54' 11.7"East
3/07/2007
Image: MD73_217JF26

27 Undetermined Ascomycete

Specimen ID: 3216

Growing in sand in woodland.
Latitude: 32° 13' 37.9"South Longitude: 115° 54' 11.7"East
3/07/2007
Image: MD73_217JF27

28 *Lepiota* sp.

Specimen ID: 3217

Growing in sand amongst litter and moss in woodland.
Latitude: 32° 13' 37.6"South Longitude: 115° 54' 11.6"East
3/07/2007
Image: MD73_217JF28

29 *Inocybe* sp.

Specimen ID: 3218

Growing in woodland.
Latitude: 32° 13' 37.6"South Longitude: 115° 54' 11.6"East
3/07/2007
Image: MD73_217JF29

Vouchered WA Herbarium: **E9015**

OziExplorer and OziPhotoTool were used to produce the track and linked fungi photos.

31 *Hohenbuehelia* sp.

Specimen ID: 3219

Growing in sand amongst litter and moss in woodland.
Latitude: 32° 13' 38.1"South Longitude: 115° 54' 12.3"East
3/07/2007
Image: MD73_217JF31

Vouchered WA Herbarium: **E9010**

32 *Psilocybe coprophila*

Specimen ID: 3220

Growing in sand near kangaroo dung in woodland.
Latitude: 32° 13' 38.7"South Longitude: 115° 54' 12.6"East
3/07/2007
Image: MD73_217JF32

33 *Hjorstamia crassa*

Specimen ID: 3221

Growing on dead wood in woodland.
Latitude: 32° 13' 38.7"South Longitude: 115° 54' 12.6"East
3/07/2007
Image: MD73_217JF33

34 *Laccaria* sp.

Specimen ID: 3222

Growing amongst litter on the side of sand track in banksia/ *Kunzea glabrescens* woodland.
Latitude: 32° 13' 36.3"South Longitude: 115° 54' 12.5"East
3/07/2007
Image: MD73_217JF34

35 *Coprinellus truncorum/micaceus* **Glistening Ink Cap**

Specimen ID: 3223

Growing in litter in banksia/ *Kunzea glabrescens* woodland.
Latitude: 32° 13' 36.1"South Longitude: 115° 54' 12.7"East
3/07/2007
Image: MD73_217JF35

36 *Tremella mesenterica* group **Yellow Brain Fungus**

Specimen ID: 3224

Growing on dead wood in woodland.
Latitude: 32° 13' 36.1"South Longitude: 115° 54' 12.7"East
3/07/2007 **Fungimap Target**
Image: MD73_217JF36

OziExplorer and OziPhotoTool were used to produce the track and linked fungi photos.