Perth
Urban
Bushland
Fungi

Fungi of Murdoch University Bushland

written and produced by

Neale L. Bougher, Roz Hart,
Sarah de Bueger & Brett Glossop

Department of Environment and Conservation – Perth Urban Bushland Fungi Project

'Blue group' ready to search for fungi

Participants gathering in drizzly conditions

'Red group' at the start of their walk

Sorting fungi at Murdoch University

PUBF Website : www.fungiperth.org.au

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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

This report presents data resulting from a Perth Urban Bushland Fungi (PUBF) Project event held on 22 July 2007 at Murdoch University Bushland - an urban bushland in the Perth region, southwest Western Australia. This report also summarises and integrates data about fungi previously collected at the bushland and lodged at the Western Australian Herbarium. In addition, the report provides management recommendations for understanding and conserving fungi biodiversity at the bushland.

The PUBF walk was organised with the assistance of Murdoch University staff. The event was attended by forty eight people who were divided into five groups, led by Jolanda Keeble and Neil Goldsborough; Kirsten Tullis and Margaret Langley; Elaine Davison; Roz Hart and Phylis Robertson; and Joe Froudist and Tanja Lambe, all volunteer Fungi Leaders from the PUBF Project.

After the morning walk all groups gathered at the Murdoch University School of Biological Sciences and Biotechnology for lunch. In the afternoon, Mycologist Neale Bougher held an identification and vouchering session in the Murdoch Students' Laboratory. The fungi collected were sorted into categories and participants were introduced to a range of different fungi and their significant roles in bushland ecology. Participants then learnt how to voucher fungi for inclusion in the DEC Western Australian Herbarium.

Murdoch University Bushland Fungi

The fungi survey at Murdoch University Bushland was preceded by below average rainfall for June 2007, but rainfall during July was sufficient to encourage late-season fruiting of many fungi in the bushland. A total of 114 records, including 60 different fungi were recorded, and 23 specimens were vouchered into the DEC Western Australian Herbarium (Tables 1, 2). These include genera of decomposer fungi such as *Crepidotus*, *Pholiota* and *Pycnoporus*, and beneficial mycorrhizal fungi belonging to genera such as *Dermocybe*, *Hebeloma*, and *Laccaria*. Some native mycorrhizal truffle fungi were observed, e.g. *Descomyces*. Also, some non-native mycorrhizal fungi that are specifically associated with *Pinus pinaster* were observed near pine trees scattered amid the bushland, including the mushroom-like bolete, *Suillus*, and the truffle-like *Rhizopogon*.

Some of the fungi at Murdoch University Bushland may have specialist niches. For example a decomposer fungus discovered at Murdoch University Bushland during the survey in 2007 has recently been described as new to Science. This is *Campanella gregaria* - a gregarious shell-like fungus that occurs in crowded clusters from 10 to in excess of 100 fruit bodies spread over dead wood in forests and woodlands dominated by eucalyptus and banksia. It has been found mainly on fallen logs of *Banksia* species, usually growing on the inner side of loose rotting bark, but has also been observed on burnt and unburnt logs and stumps of jarrah (*Eucalyptus marginata*) and *Allocasuarina* species. *Campanella gregaria* is perhaps a specialist decomposer of banksia bark, but may also decompose other types of woody material. Aside from Murdoch University Bushland it is now known from several other locations on banksia bark in the Perth region (Bougher, 2007). Such observations of potentially narrow niches emphasise the need to retain microhabitats (such as fallen wood) and specific components of microhabitats (such as fallen banksia bark) to help retain fungi biodiversity in bushland.

Some of the fungi recorded in this 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 represent undescribed species.

Far more fungi are likely to occur in Murdoch University Bushland than the 60 species recorded in this inaugural survey. This is emphasised by previous records of fungi reported at Murdoch University Bushland, such as 56 vouchers (including 1 slime mould – *Lycogala*) held at the Western Australian Herbarium from Murdoch prior to the current survey (Table 3), and some collections vouchered at the Murdoch University School of Biological Sciences & Biotechnology. Previous vouchers held at the WA Herbarium from Murdoch include 17 taxa (27 vouchers) with a nominated specific epithet (species name), and 29 vouchers designated as "sp." A total of 44 out of the 56 vouchers (78.6 %) represent 7 named *Amanita* species and probably many other species of the genus *Amanita*, whereas in the current survey only 3 of the 114 records (2.6 %) were *Amanita* – probably representing only 2 different species of that genus. Only 1 or possibly 2 of the 60 fungi taxa recorded in the current survey in 2007 are the same as those previously vouchered at the WA Herbarium. These are the ubiquitous and long-lasting *Pycnoporus coccineus* (previously vouchered as *Pycnoporus sanguineus*), and possibly *Scleroderma cepa* (previously vouchered as *Scleroderma* sp.). The differences between the current survey and previous records may be partly due to the nature of previous collecting at Murdoch which was mainly opportunistic, undertaken by few individuals, or primarily focussed on the genus *Amanita*. In contrast the current survey was undertaken by groups of people in a general survey to capture any and all fungi observed. However the differences may also be due to timing. The current survey was held in late July, whereas many of the fungi vouchered prior to the current survey were collected in May or June, including most of the *Amanita* collections (see Table 3). Because of the unpredictable nature of fungi fruiting, surveys will need to be conducted over many years in order to capture the biodiversity of fungi present at Murdoch University Bushland.

Management recommendations for understanding and conserving fungi biodiversity at Murdoch University Bushland

Murdoch University Bushland has a wide range of vegetation types (Dell & Bennett 1986) that undoubtedly influence the presence, abundance and spatial distribution of fungi species in the bushland. Vegetation-fungi patterns could be clarified if surveys of fungi were carried out annually over many years at the bushland. Environmental and general interest in Murdoch University Bushland (as with other parts of the Perth region) has primarily focussed on flora and fauna conservation, e.g. see environmental assessments and considerations for the Murdoch University Master Plan (ATA Environmental client report, 2004).

However, the Bushland's Flora, Fauna and Fungi may all need to be considered together for future management. Fungi have crucial ecological roles for maintaining bushland health, including linkages between the 3 F's. An increased level of knowledge about fungi at Murdoch University Bushland is required as a basis for documenting and understanding the fungi, and in turn, for helping to manage the Bushland'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 Murdoch University Bushland than those recorded in the inaugural survey, or those previously vouchered. 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 at Murdoch University Bushland as a baseline for determining vegetation-fungi patterns, and for monitoring changes in biodiversity - e.g. 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 would be desirable to georeference the surveys at Murdoch University Bushland in order to build up a spatial map of distribution of individual fungi species. 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 DEC Western Australian Herbarium.
4. **Involve community:** It is recommended that further fungi surveys involving members of the local community be undertaken at Murdoch University Bushland. Involving community members can facilitate a greater sampling effort, a general increase in awareness about 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. **Conservation-listed fungi:** Fungi are protected "Flora" under the Wildlife Conservation Act. Murdoch University Bushland is one of the few currently known locations for at least two species of *Amanita* – *Amanita carneiphylla* and *Amanita griseibrunnea* These fungi are listed on the WA Flora Conservation Code as Priority 2. Species in this category are known from one or a few (generally <5) populations, at least some of which are not believed to be under immediate threat (i.e. not currently endangered). Such species are under consideration for declaration as 'rare flora', but are in urgent need of further survey. A systematic survey of these two *Amanita* species at Murdoch could add to knowledge about their conservation biology by,

for example, mapping their occurrence at Murdoch University Bushland in relation to vegetation/soil types and specific ectomycorrhizal plants.

6. **Determine the mycorrhizal plant partners of fungi.** To understand the mycorrhizal relationships between fungi and plants at Murdoch University Bushland, the list of known plants at the bushland 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 Murdoch University Bushland.
7. **Determine the animal interactions with fungi:** Determine what truffle fungi are present at Murdoch University Bushland, and if they and other fungi are being used as a food resource by local native mammals such as the quenda (*Isoodon obesulus*). 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 Murdoch University Bushland. Insects that use fungi as food and/or habitat such as Geotrupid beetles may also be present in this bushland.
8. **Remove pines**: Exotic fungi may compete with native fungi in ecosystems for space and resources. Exotic mycorrhizal fungi such as *Suillus* and *Rhizopogon* (and probably other fungi) that are mycorrhizal associates of *Pinus* could be eliminated from the Murdoch University Bushland by culling the pine trees.
9. **Include Flora, Fauna and Fungi in signage and interpretative material at the Bushland:** to promote public awareness and appreciation of the conspicuous and less conspicuous biodiversity at Murdoch University Bushland and the interlinkages between the 3F's that influence the long-term health of the Bushland.
10. **Support a strategy to preserve representative landscapes:** Support a management plan that aims to preserve a variety of natural vegetation types and the diversity of plant species within the vegetation types. 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, banksia bark, twigs etc…), litter, moss beds, and specific mycorrhizal partner plants. In turn, this strategy may foster fungi biodiversity at Murdoch University Bushland.

References:

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

Bougher, N.L. (2007) The genus *Campanella* in Western Australia, *Mycotaxon* 99: 327-335.

Dell B. & Bennett I. J. (1986) The Flora of Murdoch University, A guide to the native plants on Campus, Murdoch University, Perth, Western Australia.

Murdoch University Master Plan (2004) ATA Environmental Client Report.

Table 1: Murdoch University Bushland Fungi List: 22 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
Aleurina ferruginea	**Fleshy Cup Fungus**	cup	litter/ground	S		A-1	3372, 3417
Amanita* aff. *xanthocephala		mushroom	litter/ground	M			3403
***Amanita* sp.**		mushroom	litter/ground	M			3462
Amanita xanthocephala	**Yellow Headed Amanita**	mushroom	litter/ground	M	Yes		3404
***Bovista* sp.**		puffball	litter/ground	S			3393
Calocera guepinioides	**Scotsman's Beard**	jelly fungus	dead wood	S		Q-1	3405, 3419, 3438, 3466
Campanella gregaria		shell	dead wood	S			3434
Clitocybe semiocculta	**Shy Funnel Cap**	shell	dead wood	S		J-4	3374, 3402, 3455
***Cortinarius* sp.**		mushroom	litter/ground	M			3379
Crepidotus eucalyptorum	**Eucalypt Crepidotus**	shell	dead wood	S		J-13	3389, 3430, 3472
Crepidotus nephrodes		shell	dead wood	S			3435
***Crepidotus* sp.**		shell	dead wood	S			3370
***Dacrymyces* sp.**		jelly fungus	dead wood	S			3426, 3440
***Dacryopinax* sp.**		jelly	dead wood	S			3444
***Dasyscyphus* sp.**		cup	dead wood	S			3421
Dermocybe clelandii	**Cleland's Cortinar**	mushroom	litter/ground	M			3360, 3394
***Dermocybe* sp.**		mushroom	litter/ground	M			3407
***Descolea* sp.**		mushroom	dead wood	M			3412
***Descomyces* sp.**		truffle	underground /under litter	M			3399
***Entoloma* sp.**		mushroom	litter/ underground	S			3448
***Exidia* sp.**		jelly fungus	dead wood	S			3376, 3474
Fomitopsis lilacinogilva	**Lilac Bracket Fungus**	bracket	dead wood	S		N-2	3428
***Galerina* sp.**		mushroom	litter/ground	S			3414, 3445, 3460
Gymnopilus allantopus	**Golden Wood**	mushroom	dead wood	S		J-15	3432

Scientific Name	Common Name	Form	Habitat	Life Mode	Fungimap Target	Field Book Page #	Specimen ID
	Fungus						
Gymnopilus purpuratus		mushroom	dead wood	S			3366, 3413
***Gymnopus* sp.**		mushroom					3371
***Hebeloma* sp.**		mushroom	litter/ground	M			3468
Henningsomyces candidus	**Miniature Chimney Pots**	tubular	dead wood	S		R-1	3420, 3436
Hjorstamia crassa		resupinate	dead wood	S			3377
***Hohenbuehelia* sp.**		shell	dead wood	S			3473
***Hyphodontia* sp.**		resupinate	dead wood	S			3424
***Inocybe* sp.**		mushroom	litter/ground	M			3387, 3395, 3415, 3429
Laccaria lateritia	**Brick Red Laccaria**	mushroom	litter/ground	M		J-17	3362, 3449
Leocarpus fragilis		slime mould	dead wood	S			3454
***Lepiota* sp.**		mushroom	litter/ground	S			3441
***Megalocystidium* sp.**		resupinate	dead wood	S/M?			3401
Mycena carmeliana	**Orange Footed Pixie Cap**	mushroom	dead wood	S			3469
***Mycena* sp.**		mushroom	litter/ground	S			3373, 3386, 3396, 3416, 3442, 3447, 3459
Pholiota communis	**Common Pholiota**	mushroom	litter/ground	S		J-26	3433
***Pisolithus* sp.**	**Dog Poo Fungus**	puffball	litter/ground	M		L-3	3365, 3392, 3452
***Poria* sp.**		resupinate	dead wood	S			3427, 3450, 3471
***Psathyrella* sp.**		mushroom	litter/ground	S			3369
Pycnoporus coccineus	**Scarlet Bracket Fungus**	bracket	dead wood	S		N-8	3381, 3388, 3470
***Ramaria* sp.**		coral	litter/ground	M			3406, 3451
***Resupinatus* sp.**		shell	dead wood	S			3382, 3425
***Rhizopogon* sp.**		truffle	underground	M			3385, 3464
***Rhodocollybia* sp.**		mushroom	litter/ground	S		J-40	3391, 3453
Rickenella fibula	**Orange Mosscap**	mushroom	litter/ground	S		J-27	3463
***Schizopora* sp.**		resupinate	dead wood	S			3367, 3378
Scleroderma cepa		puffball	litter/ground	M			3380, 3418
***Scleroderma* sp.**		puffball	litter/ground	M		L-4	3461, 3384
Scutellinia scutellata	**Eyelash Cup Fungus**	cup	dead wood	S		A-4	3375
Suillus granulatus		mushroom	litter/ground	M			3390
***Tremella mesenterica* group**	**Yellow Brain Fungus**	jelly fungus	dead wood	S	Yes	Q-2	3364, 3410, 3457
***Tricholoma* sp.**		mushroom	litter/ground	S			3431
Tubifera ferruginosa	**Strawberry Slime Mould**	slime mould	dead wood	S			3383

Scientific Name	Common Name	Form	Habitat	Life Mode	Fungimap Target	Field Book Page #	Specimen ID
Undetermined Agaric		mushroom	litter/ground	?			3400, 3456, 3465
Undetermined Ascomycete		cup	litter/ground	S			3361, 3397, 3422, 3423, 3437, 3458
Undetermined Myxomycete	**Slime Mould**	slime mould	dead wood	S			3363, 3411
Undetermined Resupinate		resupinate	dead wood	M			3368, 3398, 3408, 3409, 3439, 3443

Table 2: Permanent vouchered specimens lodged at the Western Australian Herbarium from Murdoch University Bushland 2007

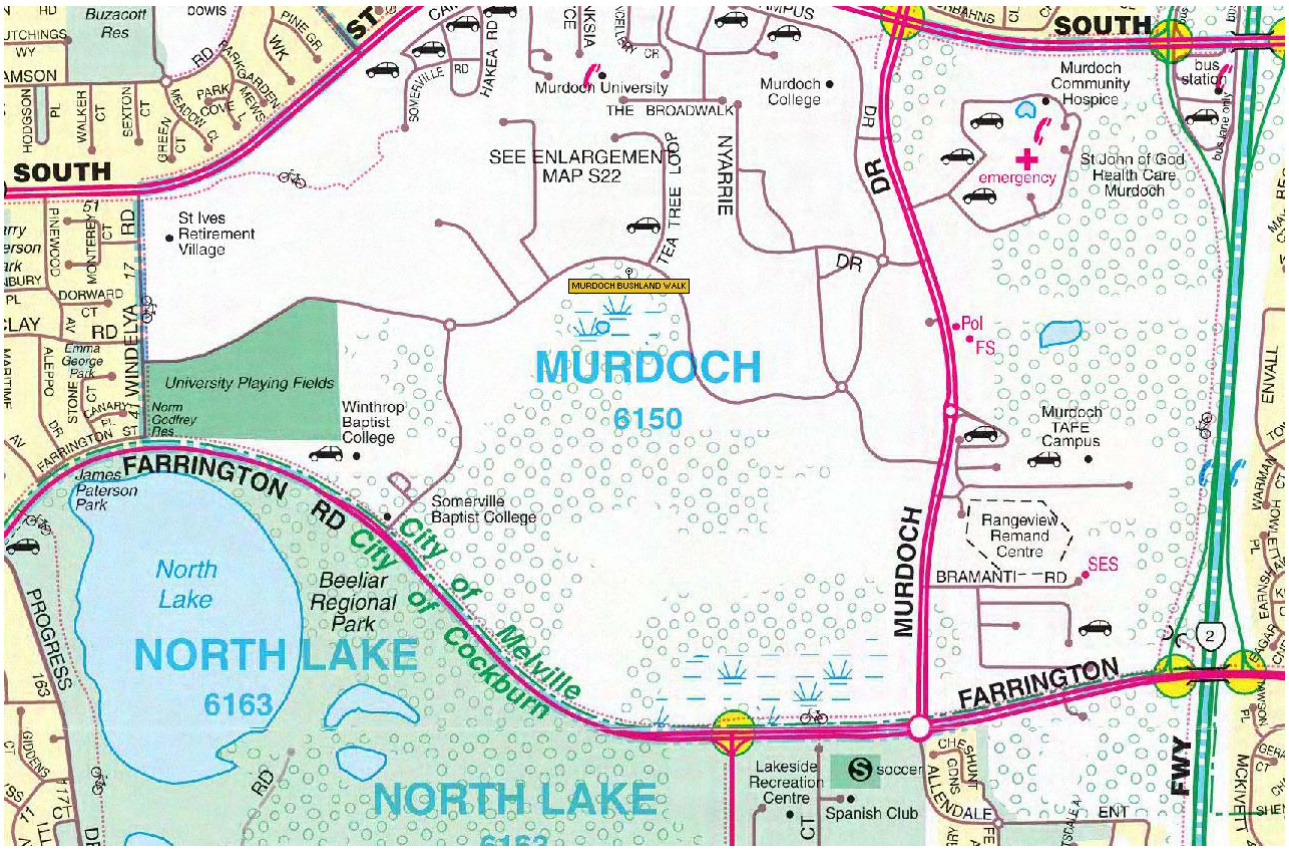
Twenty three of the fungi collected during this event were deposited into the DEC Western Australian Herbarium fungi collection with the following details:

***Amanita* sp.**	**Voucher ID:** E9070	**Specimen ID:** 3462
Amanita* aff. *xanthocephala	**Voucher ID:** E9069	**Specimen ID:** 3403
Calocera guepinioides	**Voucher ID:** E9077	**Specimen ID:** 3405
Campanella gregaria	**Voucher ID:** E9061	**Specimen ID:** 3434
Crepidotus eucalyptorum	**Voucher ID:** E9059	**Specimen ID:** 3389
Dermocybe clelandii	**Voucher ID:** E9064	**Specimen ID:** 3360
***Descomyces* sp.**	**Voucher ID:** E9076	**Specimen ID:** 3399
***Hebeloma* sp.**	**Voucher ID:** E9075	**Specimen ID:** 3468
Hjorstamia crassa	**Voucher ID:** E9068	**Specimen ID:** 3377
***Inocybe* sp.**	**Voucher ID:** E9079	**Specimen ID:** 3395
***Inocybe* sp.**	**Voucher ID:** E9066	**Specimen ID:** 3415
***Inocybe* sp.**	**Voucher ID:** E9062	**Specimen ID:** 3387
Leocarpus fragilis	**Voucher ID:** E9080	**Specimen ID:** 3454
***Megalocystidium* sp.**	**Voucher ID:** E9071	**Specimen ID:** 3401
***Mycena* sp.**	**Voucher ID:** E9065	**Specimen ID:** 3446
Pholiota communis	**Voucher ID:** E9054	**Specimen ID:** 3433
Pycnoporus coccineus	**Voucher ID:** E9063	**Specimen ID:** 3470
***Ramaria* sp.**	**Voucher ID:** E9067	**Specimen ID:** 3406
Scutellinia scutellata	**Voucher ID:** E9072	**Specimen ID:** 3375
Suillus granulatus	**Voucher ID:** E9078	**Specimen ID:** 3390
***Tricholoma* sp.**	**Voucher ID:** E9073	**Specimen ID:** 3431
Undetermined Agaric	**Voucher ID:** E9074	**Specimen ID:** 3456
Undetermined Ascomycete	**Voucher ID:** BOU358	**Specimen ID:** 3423

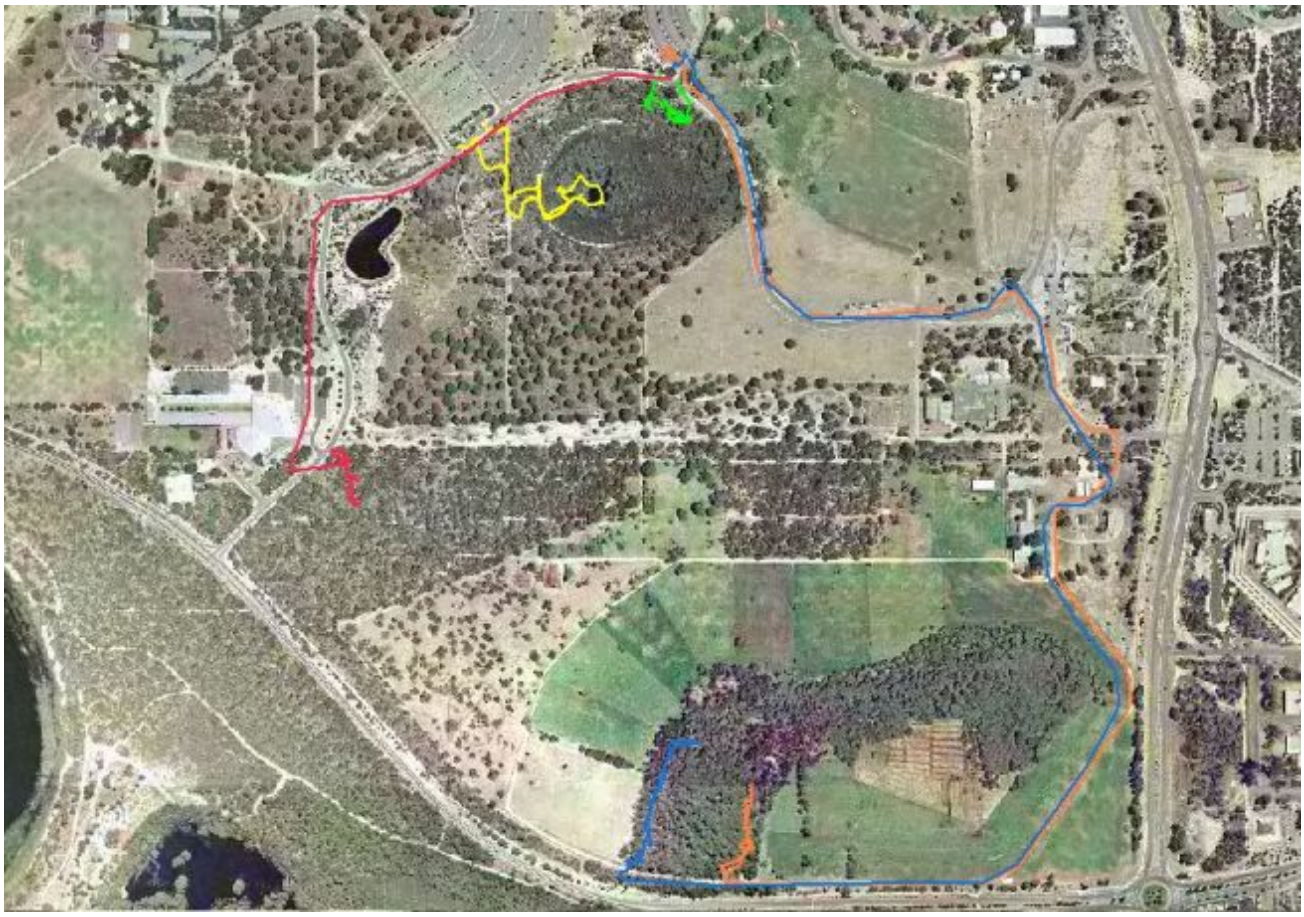
Table 3: Fungi collected from Murdoch University Bushland prior to the current 2007 survey and lodged as vouchers at the Western Australian Herbarium

Scientific Name	WA Herb. Acc. No.	Collector	Date	Location Recorded
Amanita albifimbriata	3096831	E.M. Davison	27/05/1990	Murdoch University
Amanita albifimbriata	3096955	E.M. Davison	19/05/1990	Murdoch University
Amanita albifimbriata	3096920	E.M. Davison	8/04/1990	Murdoch University
Amanita albifimbriata	3096963	E.M. Davison	2/07/1989	Murdoch University
Amanita brunneiphylla	2224275	O.K. & H.H. Miller & E. & P. Davison	7/05/1989	Murdoch University forest
Amanita brunneiphylla	2241714	E. & P. Davison & O.K. & H.H. Miller	7/05/1989	Murdoch University forest
Amanita carneiphylla	5031559	E. Davison	12/04/1992	Murdoch University grounds
Amanita carneiphylla	1007181	E. Davison	/05/1988	Murdoch University grounds.
Amanita eucalypti	2224305	O.K. & H.H. Miller & E. & P. Davison	7/05/1989	Murdoch University forest
Amanita eucalypti	5031362	E. Davison	16/05/1993	Murdoch University grounds
Amanita fimbriata	3096688	E.M. Davison	29/04/1990	Murdoch University
Amanita griseibrunnea	2224518	O.K. & H.H. Miller & E. & P. Davison	7/06/1989	Murdoch University forest
Amanita preissii	3096874	E.M. Davison	14/04/1991	Murdoch University
Amanita preissii	3096653	E.M. Davison	11/06/1988	Murdoch University
Amanita preissii	3096890	E.M. Davison	5/05/1991	Murdoch University
Amanita preissii	3096793	E.M. Davison	12/05/1991	Murdoch University
Amanita preissii	3096904	E.M. Davison	11/06/1989	Murdoch University
Amanita sp.	3096912	E.M. Davison	12/04/1992	Murdoch University
Amanita sp.	3096726	E.M. Davison	5/05/1991	Murdoch University
Amanita sp.	3097021	E.M. Davison	11/06/1988	Murdoch University
Amanita sp.	3097129	E.M. Davison	-	Murdoch University
Amanita sp.	3096718	E.M. Davison	5/05/1990	Murdoch University
Amanita sp.	3096785	E.M. Davison	17/05/1992	Murdoch University
Amanita sp.	3097099	E.M. Davison	25/04/1990	Murdoch University
Amanita sp.	3096661	E.M. Davison	22/04/1990	Murdoch University
Amanita sp	3096882	E.M. Davison	5/05/1990	Murdoch University
Amanita sp.	3096939	E.M. Davison	17/04/1990	Murdoch University
Amanita sp	3096750	E.M. Davison	10/05/1991	Murdoch University
Amanita sp.	3096807	E.M. Davison	29/03/1992	Murdoch University

Scientific Name	WA Herb. Acc. No.	Collector	Date	Location Recorded
Amanita sp.	3096971	E.M. Davison	10/05/1992	Murdoch University
Amanita sp.	3097048	E.M. Davison	22/07/1989	Murdoch University
Amanita sp.	3097056	E.M. Davison	25/04/1990	Murdoch University
Amanita sp.	3096769	E.M. Davison	27/05/1990	Murdoch University
Amanita sp.	3097080	E.M. Davison	3/06/1990	Murdoch University
Amanita sp.	3096734	E.M. Davison	17/05/1992	Murdoch University
Amanita sp.	3096742	E.M. Davison	5/04/1992	Murdoch University
Amanita sp.	3097072	E.M. Davison	29/07/1989	Murdoch University
Amanita sp.	3096998	E.M. Davison	17/05/1992	Murdoch University
Amanita sp.	3097110	E.M. Davison	24/05/1992	Murdoch University
Amanita sp.	3096947	E.M. Davison	12/05/1991	Murdoch University
Amanita sp.	3097013	E.M. Davison	3/06/1990	Murdoch University
Amanita sp.	3096815	E.M. Davison	17/04/1990	Murdoch University
Amanita sp.	3096823	E.M. Davison	24/05/1992	Murdoch University
Amanita sp.	5031370	E. Davison	16/05/1993	Murdoch University grounds
Grifola berkeleyi	936235	D. Waldie	/07/1973	Murdoch University site
Hexagonia vesparius	2358948	R. Coveny	9/06/1988	Murdoch University
Inonotus sp.	2358891	R. Coveny	9/06/1988	Murdoch University
Lycogala epidendrum	6703410	L. McGurk	26/05/2003	Murdoch University
Perenniporia medulla-panis	1739069	R. Coveny	3/06/1988	Murdoch University
Polyporus infernalis	5031516	R. Coveny	9/06/1988	Murdoch University
Pycnoporus sanguineus	4913728	R. Coveny	9/06/1988	Murdoch University
Russula erumpens	920487	R. Cowell & E. Davison	24/04/1986	Murdoch University
Scleroderma sp.	4913841	R. Coveny	9/06/1988	Murdoch University
Secotium agaricoides	959359	R.N. Hilton	1975	Murdoch University carpark
Serpula himantioides	5031524	R. Coveny	9/06/1988	Murdoch University
Thelephora terrestris	2358980	R. Coveny	9/06/1988	Murdoch University



StreetExpress Map showing the location of Murdoch University Bushland.

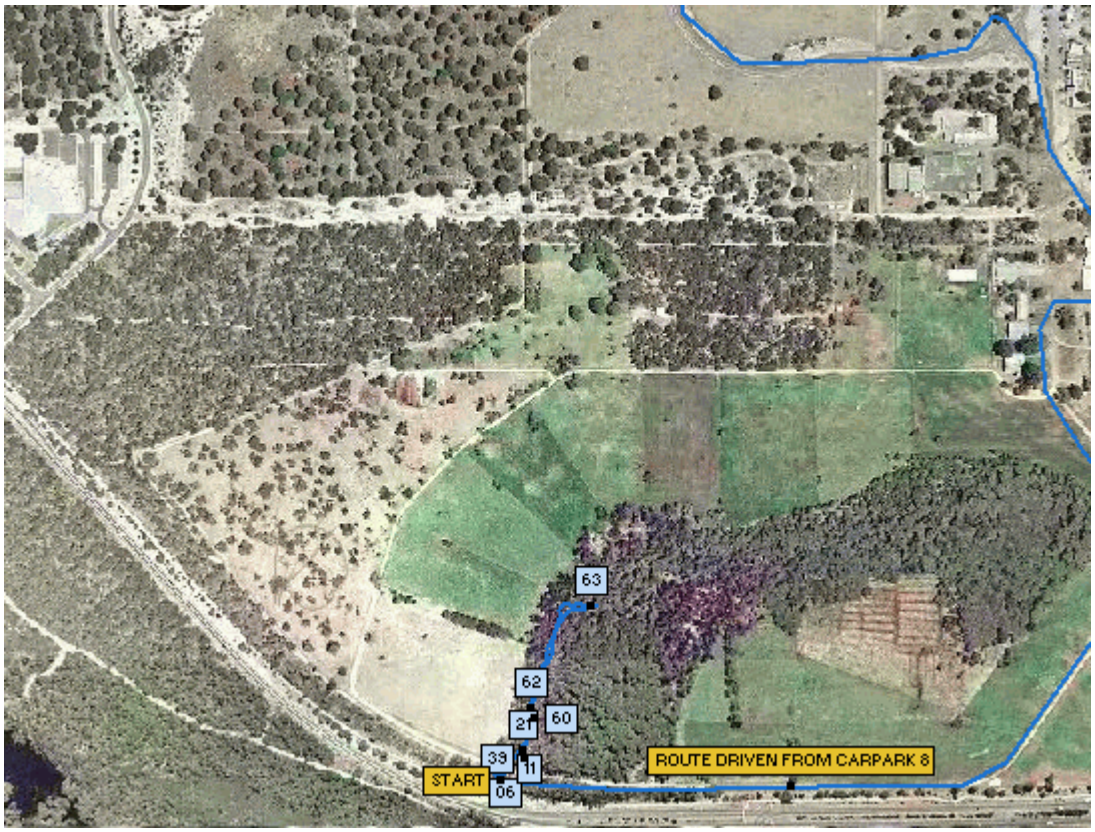


Aerial photo showing the colour coded tracks walked by the five groups on 22 July 2007.

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.

Georeferenced Track and Photos

Jolanda Keeble and Neil Goldsborough's group, 22 July 2007.



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: Murdoch University Bushland Date: 22/07/2007
Group Number: 224 Photographer: Neil Goldsborough

06 *Dermocybe clelandii*

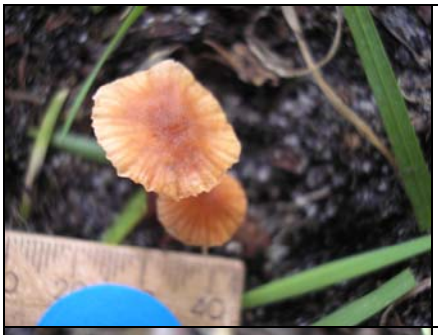
Cleland's Cortinar
Specimen ID: 3360

Growing in sand in melaleuca wetland.
Latitude: 32° 4' 45.4"South Longitude: 115° 50' 7.2"East
22/07/2007
Image: MB77_224NG06
Vouchered WA Herbarium: **E9064**

11 Undetermined Ascomycete

Specimen ID: 3361

Growing on dead xanthorrhoea in melaleuca wetland.
Latitude: 32° 4' 45.4"South Longitude: 115° 50' 7.2"East
22/07/2007
Image: MB77_224NG11



14 *Laccaria lateritia* **Brick Red Laccaria**

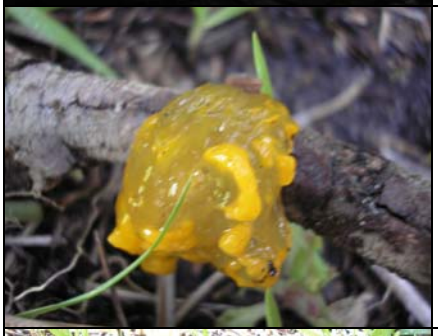
Specimen ID: 3362

Growing in sand in melaleuca wetland.
Latitude: 32° 4' 45.4"South Longitude: 115° 50' 7.2"East
22/07/2007
Image: MB77_224NG14

16 Undetermined Myxomycete **Slime Mould**

Specimen ID: 3363

Growing on dead *Eucalyptus rudis* in melaleuca wetland.
Latitude: 32° 4' 45.1"South Longitude: 115° 50' 7.2"East
22/07/2007
Image: MB77_224NG16



19 *Tremella mesenterica* group **Yellow Brain Fungus**

Specimen ID: 3364

Growing on dead *Eucalyptus rudis* in melaleuca wetland.
Latitude: 32° 4' 45.1"South Longitude: 115° 50' 7.2"East
22/07/2007 **Fungimap Target**
Image: MB77_224NG19

20 *Pisolithus* sp. **Dog Poo Fungus**

Specimen ID: 3365

Growing in sand in melaleuca wetland.
Latitude: 32° 4' 45.1"South Longitude: 115° 50' 7.2"East
22/07/2007
Image: MB77_224NG20

21 *Gymnopilus purpuratus*

Specimen ID: 3366

Growing on dead melaleuca in melaleuca wetland.
Latitude: 32° 4' 44.9"South Longitude: 115° 50' 7.8"East
22/07/2007
Image: MB77_224NG21

23 *Schizopora* sp.

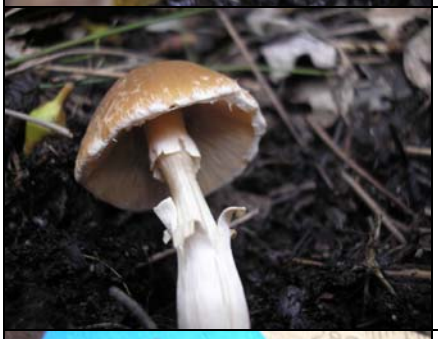
Specimen ID: 3367

Growing on dead melaleuca in melaleuca wetland.
Latitude: 32° 4' 44.9"South Longitude: 115° 50' 7.8"East
22/07/2007
Image: MB77_224NG23

26 Undetermined Resupinate

Specimen ID: 3368

Growing on dead melaleuca in melaleuca wetland.
Latitude: 32° 4' 44.9"South Longitude: 115° 50' 7.8"East
22/07/2007
Image: MB77_224NG26



30 *Psathyrella* sp.

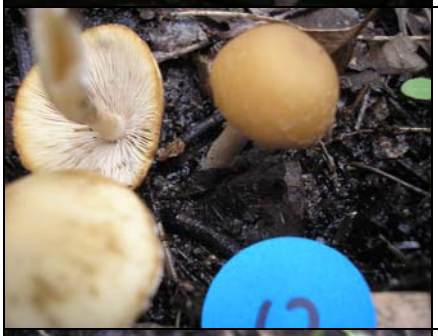
Specimen ID: 3369

Growing in sand in melaleuca wetland.
Latitude: 32° 4' 45.1"South Longitude: 115° 50' 7.7"East
22/07/2007
Image: MB77_224NG30

31 *Crepidotus* sp.

Specimen ID: 3370

Growing on dead melaleuca in melaleuca wetland.
Latitude: 32° 4' 45.1"South Longitude: 115° 50' 7.8"East
22/07/2007
Image: MB77_224NG31



35 *Gymnopus* sp.

Specimen ID: 3371

Growing in sand in melaleuca wetland.
Latitude: 32° 4' 45.2"South Longitude: 115° 50' 8"East
22/07/2007
Image: MB77_224NG35

39 *Aleurina ferruginea*

Fleshy Cup Fungus

Specimen ID: 3372

Growing in sand in melaleuca wetland.
Latitude: 32° 4' 45.2"South Longitude: 115° 50' 8"East
22/07/2007
Image: MB77_224NG39

41 *Mycena* sp.

Specimen ID: 3373

Growing on dead *Eucalyptus rudis*.
Latitude: 32° 4' 44.3"South Longitude: 115° 50' 8.1"East
22/07/2007
Image: MB77_224NG41

43 *Clitocybe semiocculta* **Shy Funnel Cap**

Specimen ID: 3374

Growing on dead *Eucalyptus rudis*.
Latitude: 32° 4' 44.5"South Longitude: 115° 50' 8.1"East
22/07/2007
Image: MB77_224NG43

45 *Scutellinia scutellata* **Eyelash Cup Fungus**

Specimen ID: 3375

Growing on dead *Eucalyptus rudis* in melaleuca wetland.
Latitude: 32° 4' 44.3"South Longitude: 115° 50' 8"East
22/07/2007
Image: MB77_224NG45
Vouchered WA Herbarium: **E9072**

48 *Exidia* sp.

Specimen ID: 3376

Growing on dead *Eucalyptus rudis* in melaleuca wetland.
Latitude: 32° 4' 44.3"South Longitude: 115° 50' 8"East
22/07/2007
Image: MB77_224NG48

50 *Hjorstamia crassa*

Specimen ID: 3377

Growing on dead *Eucalyptus rudis* in melaleuca wetland.
Latitude: 32° 4' 44.3"South Longitude: 115° 50' 8.3"East
22/07/2007
Image: MB77_224NG50
Vouchered WA Herbarium: **E9068**

52 *Schizopora* sp.

Specimen ID: 3378

Growing on dead *Eucalyptus rudis* in melaleuca wetland.
Latitude: 32° 4' 44.3"South Longitude: 115° 50' 8.3"East
22/07/2007
Image: MB77_224NG52

54 *Cortinarius* sp.

Specimen ID: 3379

Growing on dead *Eucalyptus rudis* in melaleuca wetland.
Latitude: 32° 4' 44.4"South Longitude: 115° 50' 8.3"East
22/07/2007
Image: MB77_224NG54

56 *Scleroderma cepa*

Specimen ID: 3380

Growing within litter, in melaleuca wetland.
Latitude: 32° 4' 43.9"South Longitude: 115° 50' 8.2"East

22/07/2007

Image: MB77_224NG56

60 *Pycnoporus coccineus*

Scarlet Bracket Fungus

Specimen ID: 3381

Growing on dead melaleuca in melaleuca wetland.
Latitude: 32° 4' 43.8"South Longitude: 115° 50' 8.3"East

22/07/2007

Image: MB77_224NG60

62 *Resupinatus* sp.

Specimen ID: 3382

Growing on dead *Eucalyptus rudis* in melaleuca wetland.
Latitude: 32° 4' 43.5"South Longitude: 115° 50' 8.1"East

22/07/2007

Image: MB77_224NG62

63 *Tubifera ferruginosa*

Strawberry Slime Mould

Specimen ID: 3383

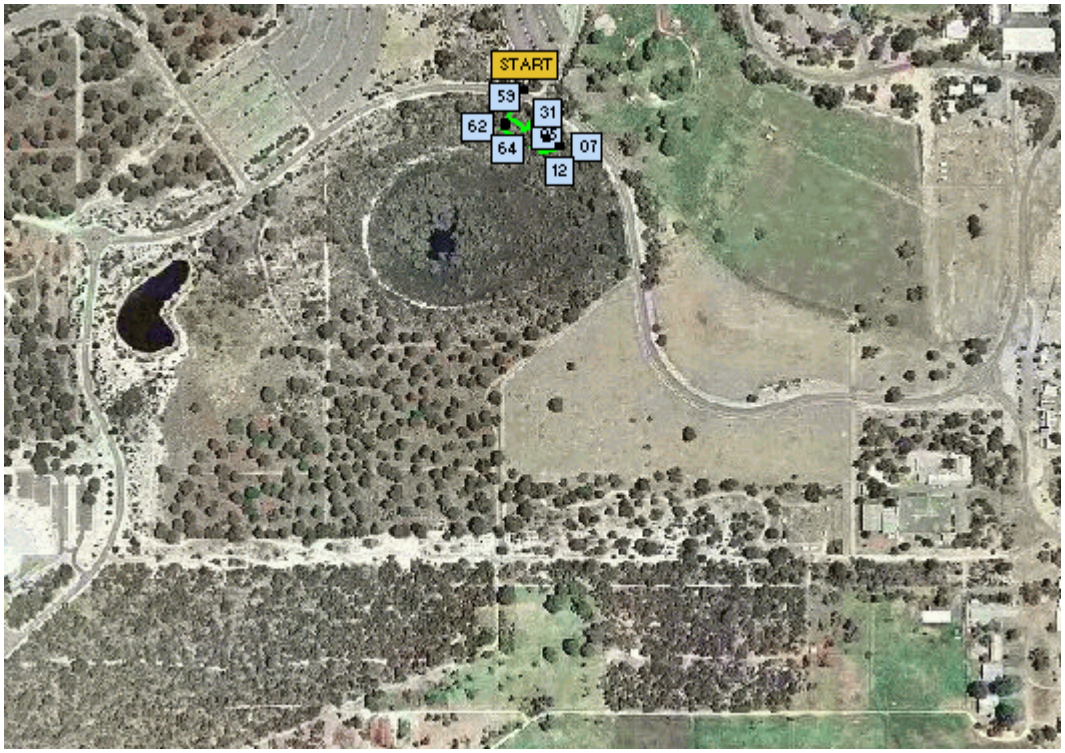
Growing on dead wood in *Banksia littoralis* wetland.
Latitude: 32° 4' 40.2"South Longitude: 115° 50' 10.5"East

22/07/2007

Image: MB77_224NG63

Georeferenced Track and Photos

Kirsten Tullis and Margaret Langley's group, 22 July 2007.



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: Murdoch University Bushland Date: 22/07/2007
Group Number: 225 Photographer: Margaret Langley

05 *Scleroderma* sp.

Specimen ID: 3384

Growing in sandy, disturbed roadside verge, near *Eucalyptus rudis*, in woodland/shrubland.

Latitude: 32° 4' 13.1"South Longitude: 115° 50' 10.1"East

22/07/2007

Image: MB77_225ML05

07 *Rhizopogon* sp.

Specimen ID: 3385

Growing in soil, amongst litter of small eucalypts and kunzea, in woodland/shrubland.

Latitude: 32° 4' 14.1"South Longitude: 115° 50' 10.6"East

22/07/2007

Image: MB77_225ML07

10 *Mycena* sp.

Specimen ID: 3386

Growing in soil, amongst litter of small eucalypts and kunzea, in woodland/shrubland.

Latitude: 32° 4' 14.1"South Longitude: 115° 50' 10.6"East

22/07/2007

Image: MB77_225ML10

12 *Inocybe* sp.

Specimen ID: 3387

Growing in soil, amongst litter of small eucalypts/kunzea, in woodland/shrubland.

Latitude: 32° 4' 14.2"South Longitude: 115° 50' 10.6"East

22/07/2007

Image: MB77_225ML12

Vouchered WA Herbarium: **E9062**

16 *Pycnoporus coccineus* **Scarlet Bracket Fungus**

Specimen ID: 3388

Growing on paperbark limb in paperbark woodland/shrubland.

Latitude: 32° 4' 14.1"South Longitude: 115° 50' 10"East

22/07/2007

Image: MB77_225ML16

18 *Crepidotus eucalyptorum* **Eucalypt Crepidotus**

Specimen ID: 3389

Growing on dead wood, amongst paperbarks in woodland.

Latitude: 32° 4' 14.2"South Longitude: 115° 50' 10"East

22/07/2007

Image: MB77_225ML18

Vouchered WA Herbarium: **E9059**

21 *Suillus granulatus*

Specimen ID: 3390

Growing in sand amongst litter, near paperbark/pines in woodland.

Latitude: 32° 4' 13"South Longitude: 115° 50' 9.9"East

22/07/2007

Image: MB77_225ML21

Vouchered WA Herbarium: **E9078**

23 *Rhodocollybia* sp.

Specimen ID: 3391

Growing in sand amongst litter in paperbark/eucalypt woodland.

Latitude: 32° 4' 14.2"South Longitude: 115° 50' 9.7"East

22/07/2007

Image: MB77_225ML23

25 *Pisolithus* sp. — Dog Poo Fungus

Specimen ID: 3392

Growing in sand amongst litter, in paperbark and eucalypt woodland.

Latitude: 32° 4' 13.9"South Longitude: 115° 50' 9.9"East

22/07/2007

Image: MB77_225ML25

26 *Bovista* sp.

Specimen ID: 3393

Growing in sand amongst litter, in paperbark/xanthorrhoea/kunzea woodland.

Latitude: 32° 4' 14"South Longitude: 115° 50' 10.1"East

22/07/2007

Image: MB77_225ML26

29 *Dermocybe clelandii* — Cleland's Cortinar

Specimen ID: 3394

Growing in sand surrounded by kunzea.

Latitude: 32° 4' 14.1"South Longitude: 115° 50' 10.1"East

22/07/2007

Image: MB77_225ML29

31 *Inocybe* sp.

Specimen ID: 3395

Growing in sand amongst moss, in kunzea/melaleuca woodland.

Latitude: 32° 4' 14"South Longitude: 115° 50' 10.1"East

22/07/2007

Image: MB77_225ML31

Vouchered WA Herbarium: **E9079**

32 *Mycena* sp.

Specimen ID: 3396

Growing on dead wood in kunzea/melaleuca woodland.

Latitude: 32° 4' 14"South Longitude: 115° 50' 10.1"East

22/07/2007

Image: MB77_225ML32

33 Undetermined Ascomycete

Specimen ID: 3397

Growing on dead wood in kunzea/melaleuca woodland.

Latitude: 32° 4' 14"South Longitude: 115° 50' 10.1"East

22/07/2007

Image: MB77_225ML33

36 Undetermined Resupinate

Specimen ID: 3398

Growing on dead wood in kunzea/melaleuca woodland.
Latitude: 32° 4' 14"South Longitude: 115° 50' 10.1"East
22/07/2007
Image: MB77_225ML36

38 *Descomyces* sp.

Specimen ID: 3399

Growing in sand under litter, in kunzea/small eucalypt woodland/shrubland.
Latitude: 32° 4' 14.2"South Longitude: 115° 50' 10.5"East
22/07/2007
Image: MB77_225ML38
Vouchered WA Herbarium: **E9076**

43 Undetermined Agaric

Specimen ID: 3400

Growing on dead *Eucalyptus rudis* wood in kunzea/small eucalypt woodland/shrubland.
Latitude: 32° 4' 14.3"South Longitude: 115° 50' 9.7"East
22/07/2007
Image: MB77_225ML43

47 *Megalocystidium* sp.

Specimen ID: 3401

Growing on dead *Eucalyptus rudis* bark and on litter in *Banksia littoralis*/*Eucalyptus rudis*/melaleuca woodland/shrubland.
Latitude: 32° 4' 13.9"South Longitude: 115° 50' 9.5"East
22/07/2007
Image: MB77_225ML47
Vouchered WA Herbarium: **E9071**

51 *Clitocybe semiocculta* Shy Funnel Cap

Specimen ID: 3402

Growing under bark amongst litter, in *Banksia littoralis*/*Eucalyptus rudis*/melaleuca woodland/shrubland.
Latitude: 32° 4' 13.9"South Longitude: 115° 50' 9.5"East
22/07/2007
Image: MB77_225ML51

57 *Amanita* aff. *xanthocephala*

Specimen ID: 3403

Growing in soil amongst litter, in kunzea woodland/shrubland.
Latitude: 32° 4' 13.4"South Longitude: 115° 50' 9.4"East
22/07/2007
Image: MB77_225ML57
Vouchered WA Herbarium: **E9069**

59 *Amanita xanthocephala* **Yellow Headed Amanita**

Specimen ID: 3404

Growing in melaleuca litter in *Melaleuca preissiana*/*Eucalyptus rudis* woodland.

Latitude: 32° 4' 13.4"South Longitude: 115° 50' 8.5"East

22/07/2007 **Fungimap Target**

Image: MB77_225ML59

62 *Calocera guepinioides* **Scotsman's Beard**

Specimen ID: 3405

Growing on dead melaleuca in *Melaleuca preissiana*/*Eucalyptus rudis* woodland.

Latitude: 32° 4' 13.4"South Longitude: 115° 50' 8.5"East

22/07/2007

Image: MB77_225ML62

Vouchered WA Herbarium: **E9077**

64 *Ramaria* sp.

Specimen ID: 3406

Growing in soil or matted leaf litter in *Melaleuca preissiana* and *Eucalyptus rudis* woodland.

Latitude: 32° 4' 13.5"South Longitude: 115° 50' 8.6"East

22/07/2007

Image: MB77_225ML64

Vouchered WA Herbarium: **E9067**

Georeferenced Track and Photos

Elaine Davison's group, 22 July 2007.

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: Murdoch University Bushland Date: 22/07/2007
Group Number: 226 Photographer: Karina Knight

02 *Dermocybe* sp.

Specimen ID: 3407

Growing in sand in wetland.
Latitude: 32° 4' 44.3"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK02

03 Undetermined Resupinate

Specimen ID: 3408

Growing in sand on dead melaleuca in wetland.
Latitude: 32° 4' 44.3"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK03

06 Undetermined Resupinate

Specimen ID: 3409

Growing in sand on dead melaleuca in wetland.
Latitude: 32° 4' 44.5"South Longitude: 115° 50' 12.6"East
22/07/2007
Image: MB77_226KK06

08 *Tremella mesenterica* group

Yellow Brain Fungus

Specimen ID: 3410

Growing in sand on dead melaleuca in wetland.
Latitude: 32° 4' 44.7"South Longitude: 115° 50' 13.4"East
22/07/2007 **Fungimap Target**
Image: MB77_226KK08

12 Undetermined Myxomycete

Slime Mould

Specimen ID: 3411

Growing in sand on dead melaleuca in wetland.
Latitude: 32° 4' 44.7"South Longitude: 115° 50' 13.4"East
22/07/2007
Image: MB77_226KK12

16 *Descolea* sp.

Specimen ID: 3412

Growing in sand amongst litter in wetland.
Latitude: 32° 4' 43.8"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK16

18 *Gymnopilus purpuratus*

Specimen ID: 3413

Growing in sand in wetland.
Latitude: 32° 4' 43.8"South Longitude: 115° 50' 13"East
22/07/2007
Image: MB77_226KK18

22 *Galerina* sp.

Specimen ID: 3414

Growing on dead wood in wetland.
Latitude: 32° 4' 43.8"South Longitude: 115° 50' 13"East
22/07/2007
Image: MB77_226KK22

27 *Inocybe* sp.

Specimen ID: 3415

Growing in sand amongst litter in wetland.
Latitude: 32° 4' 43.8"South Longitude: 115° 50' 13"East
22/07/2007
Image: MB77_226KK27

Vouchered WA Herbarium: **E9066**

38 *Mycena* sp.

Specimen ID: 3416

Growing in sand amongst litter in wetland.
Latitude: 32° 4' 43.8"South Longitude: 115° 50' 13"East
22/07/2007
Image: MB77_226KK38

41 *Aleurina ferruginea*

Fleshy Cup Fungus

Specimen ID: 3417

Growing in sand amongst litter in wetland.
Latitude: 32° 4' 43.3"South Longitude: 115° 50' 12.9"East
22/07/2007
Image: MB77_226KK41

43 *Scleroderma cepa*

Specimen ID: 3418

Growing in sand amongst litter in wetland.
Latitude: 32° 4' 43"South Longitude: 115° 50' 13"East
22/07/2007
Image: MB77_226KK43

45 *Calocera guepinioides*

Scotsman's Beard

Specimen ID: 3419

Growing on dead melaleuca wood in wetland.
Latitude: 32° 4' 42.9"South Longitude: 115° 50' 13.1"East
22/07/2007
Image: MB77_226KK45

49 *Henningsomyces candidus*

Miniature Chimney Pots

Specimen ID: 3420

Growing on dead melaleuca wood in wetland.
Latitude: 32° 4' 42.4"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK49

54 *Dasyscyphus* sp.

Specimen ID: 3421

Growing on dead melaleuca wood in wetland.
Latitude: 32° 4' 42.4"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK54

58 Undetermined Ascomycete

Specimen ID: 3422

Growing on dead melaleuca wood in wetland.
Latitude: 32° 4' 42.4"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK58

62 Undetermined Ascomycete

Specimen ID: 3423

Growing on dead melaleuca wood in wetland.
Latitude: 32° 4' 42.4"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK62
Vouchered WA Herbarium: **BOU 00358**

66 *Hyphodontia* sp.

Specimen ID: 3424

Growing on dead melaleuca wood in wetland.
Latitude: 32° 4' 42.4"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK66

70 *Resupinatus* sp.

Specimen ID: 3425

Growing on dead melaleuca wood in wetland.
Latitude: 32° 4' 42.2"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK70

72 *Dacrymyces* sp.

Specimen ID: 3426

Growing on dead melaleuca wood in wetland.
Latitude: 32° 4' 42.2"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK72

76 *Poria* sp.

Specimen ID: 3427

Growing on dead leaf amongst litter in wetland.
Latitude: 32° 4' 42.2"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK76

77 *Fomitopsis lilacinogilva*

Lilac Bracket Fungus

Specimen ID: 3428

Growing on dead melaleuca wood in wetland.
Latitude: 32° 4' 42.2"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK77

81 *Inocybe* sp.

Specimen ID: 3429

Growing amongst litter in wetland.
Latitude: 32° 4' 42.2"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK81

83 *Crepidotus eucalyptorum*

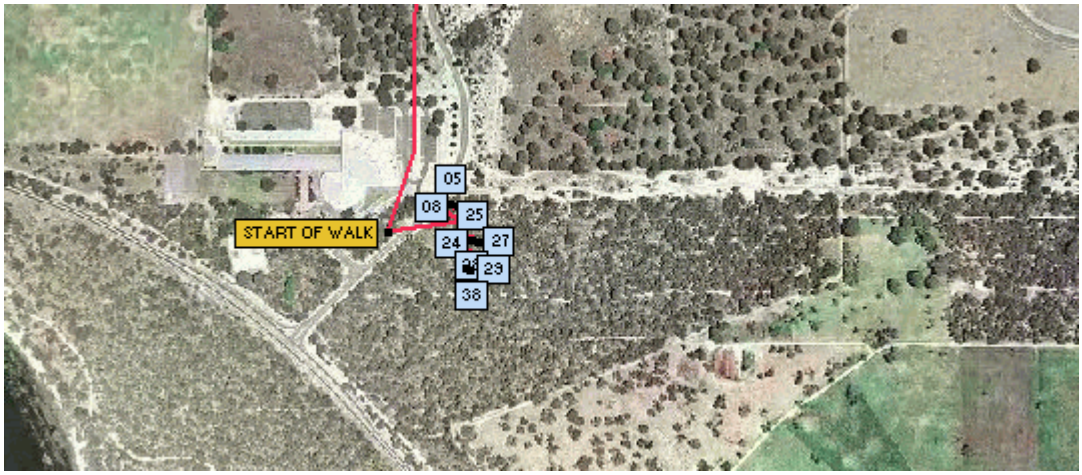
Eucalypt Crepidotus

Specimen ID: 3430

Growing on bark of living tree in wetland.
Latitude: 32° 4' 42"South Longitude: 115° 50' 13.2"East
22/07/2007
Image: MB77_226KK83

Georeferenced Track and Photos

Roz Hart and Phylis Robertson's group, 22 July 2007.



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: Murdoch University Bushland Date: 22/07/2007
Group Number: 227 Photographer: Louise Little

05 *Tricholoma* sp.

Specimen ID: 3431

Growing in sand in jarrah/banksia woodland.
Latitude: 32° 4' 27.9"South Longitude: 115° 49' 53.1"East
22/07/2007
Image: MB77_227LL05
Vouchered WA Herbarium: **E9073**

08 *Gymnopilus allantopus*

Golden Wood Fungus

Specimen ID: 3432

Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 28"South Longitude: 115° 49' 53.5"East
22/07/2007
Image: MB77_227LL08

11 *Pholiota communis*

Common Pholiota

Specimen ID: 3433

Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 28.3"South Longitude: 115° 49' 53.6"East
22/07/2007
Image: MB77_227LL11
Vouchered WA Herbarium: **E9054**

12 *Campanella gregaria*

Specimen ID: 3434

Growing on dead banksia in jarrah/banksia woodland.
Latitude: 32° 4' 28.3"South Longitude: 115° 49' 53.6"East
22/07/2007
Image: MB77_227LL12

Vouchered WA Herbarium: **E9061**

13 *Crepidotus nephrodes*

Specimen ID: 3435

Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 28.3"South Longitude: 115° 49' 53.6"East
22/07/2007
Image: MB77_227LL13

14 *Henningsomyces candidus*

Miniature Chimney Pots

Specimen ID: 3436

Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 28.3"South Longitude: 115° 49' 53.6"East
22/07/2007
Image: MB77_227LL14

15 Undetermined Ascomycete

Specimen ID: 3437

Growing in sand in jarrah/banksia woodland.
Latitude: 32° 4' 28.3"South Longitude: 115° 49' 53.6"East
22/07/2007
Image: MB77_227LL15

16 *Calocera guepinioides*

Scotsman's Beard

Specimen ID: 3438

Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 28.3"South Longitude: 115° 49' 53.6"East
22/07/2007
Image: MB77_227LL16

17 Undetermined Resupinate

Specimen ID: 3439

Growing on dead wood in jarrah/banksia woodland.
Latitude: 34° 4' 28.5"South Longitude: 115° 49' 53.6"East
22/07/2007
Image: MB77_227LL17

18 *Dacrymyces* sp.

Specimen ID: 3440
Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 28.5"South Longitude: 115° 49' 53.6"East
22/07/2007
Image: MB77_227LL18

20 *Lepiota* sp.

Specimen ID: 3441
Growing on dried leaf in jarrah/banksia woodland.
Latitude: 32° 4' 28.5"South Longitude: 115° 49' 53.6"East
22/07/2007
Image: MB77_227LL20

21 *Mycena* sp.

Specimen ID: 3442
Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 28.5"South Longitude: 115° 49' 53.6"East
22/07/2007
Image: MB77_227LL21

22 Undetermined Resupinate

Specimen ID: 3443
Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 28.5"South Longitude: 115° 49' 53.6"East
22/07/2007
Image: MB77_227LL22

23 *Dacryopinax* sp.

Specimen ID: 3444
Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 29"South Longitude: 115° 49' 58.7"East
22/07/2007
Image: MB77_227LL23

24 *Galerina* sp.

Specimen ID: 3445
Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 29.1"South Longitude: 115° 49' 54.2"East
22/07/2007
Image: MB77_227LL24

25 *Mycena* sp.

Specimen ID: 3446

Growing on dead wood in jarrah/banksia woodland.
Latitude: 34° 4' 29"South Longitude: 115° 49' 54"East
22/07/2007
Image: MB77_227LL25
Vouchered WA Herbarium: **E9065**

26 *Mycena* sp.

Specimen ID: 3447

Growing on dead wood in jarrah/banksia woodland.
Latitude: 34° 4' 29"South Longitude: 115° 49' 54"East
22/07/2007
Image: MB77_227LL26

27 *Entoloma* sp.

Specimen ID: 3448

Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 29"South Longitude: 115° 49' 54"East
22/07/2007
Image: MB77_227LL27

28 *Laccaria lateritia* **Brick Red Laccaria**

Specimen ID: 3449

Growing in sand in jarrah/banksia woodland.
Latitude: 32° 4' 29"South Longitude: 115° 49' 54"East
22/07/2007
Image: MB77_227LL28

29 *Poria* sp.

Specimen ID: 3450

Growing on dead wood in jarrah/banksia woodland.
Latitude: 32° 4' 30"South Longitude: 115° 49' 53.8"East
22/07/2007
Image: MB77_227LL29

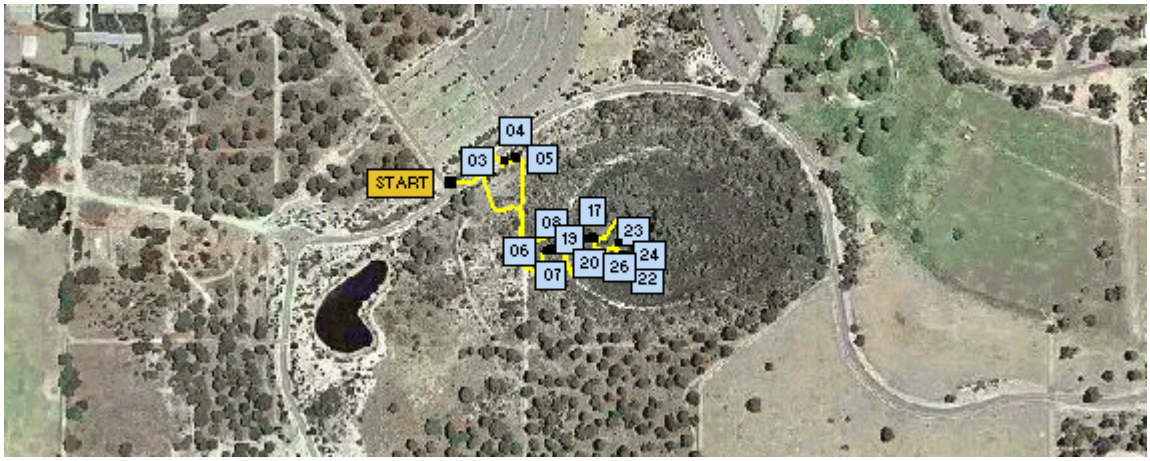
38 *Ramaria* sp.

Specimen ID: 3451

Growing on dead wood in jarrah/banksia woodland.
Latitude: 34° 4' 30"South Longitude: 115° 49' 53.8"East
22/07/2007
Image: MB77_227LL38

Georeferenced Track and Photos

Joe Froudist and Tanja Lambe's group, 22 July 2007.



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: Murdoch University Bushland Date: 22/07/2007
Group Number: 228 Photographer: Joe Froudist

03 *Pisolithus* sp. **Dog Poo Fungus**
Specimen ID: 3452

Growing in sand in woodland/wetland.
Latitude: 32° 4' 14.6"South Longitude: 115° 50' .9"East
22/07/2007
Image: MB77_228JF03

04 *Rhodocollybia* sp.
Specimen ID: 3453

Growing amongst litter in planted *Callitris preissii* woodland.
Latitude: 32° 4' 14.4"South Longitude: 115° 50' 1.4"East
22/07/2007
Image: MB77_228JF04

05 *Leocarpus fragilis* **Slime Mould**
Specimen ID: 3454

Growing amongst litter in planted *Callitris preissii* woodland.
Latitude: 32° 4' 14.4"South Longitude: 115° 50' 1.4"East
22/07/2007
Image: MB77_228JF05

Vouchered WA Herbarium: **E9080**

06 *Clitocybe semiocculta* **Shy Funnel Cap**

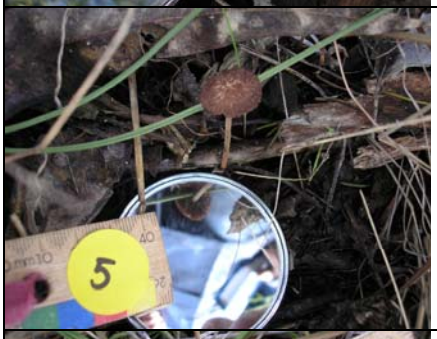
Specimen ID: 3455

Growing on bark, amongst litter, in *M. rhaphiophylla*/*A. ongifolia*/*E. rudis* woodland/wetland.

Latitude: 32° 4' 17.5"South Longitude: 115° 50' 2.5"East

22/07/2007

Image: MB77_228JF06



07 Undetermined Agaric

Specimen ID: 3456

Growing amongst litter in *M. rhaphiophylla*/*A. longifolia*/*E. rudis* woodland/wetland.

Latitude: 32° 4' 17.5"South Longitude: 115° 50' 2.6"East

22/07/2007

Image: MB77_228JF07

Vouchered WA Herbarium: **E9074**

08 *Tremella mesenterica* group **Yellow Brain Fungus**

Specimen ID: 3457

Growing on dead wood beneath *Eucalyptus rudis*.

Latitude: 32° 4' 17.5"South Longitude: 115° 50' 2.6"East

22/07/2007 **Fungimap Target**

Image: MB77_228JF08

09 Undetermined Ascomycete

Specimen ID: 3458

Growing in moss in jacksonia and melaleuca shrubland.

Latitude: 32° 4' 17.5"South Longitude: 115° 50' 2.7"East

22/07/2007

Image: MB77_228JF09

10 *Mycena* sp.

Specimen ID: 3459

Growing amongst moss/sedges in jacksonia/melaleuca shrubland.

Latitude: 32° 4' 17.5"South Longitude: 115° 50' 2.7"East

22/07/2007

Image: MB77_228JF10

12 *Galerina* sp.

Specimen ID: 3460

Growing amongst moss/sedges in jacksonia/melaleuca shrubland.

Latitude: 32° 4' 17.5"South Longitude: 115° 50' 2.7"East

22/07/2007

Image: MB77_228JF12

13 *Scleroderma* sp.

Specimen ID: 3461

Growing amongst litter among sedges and moss in shrubland.
Latitude: 32° 4' 17.4"South Longitude: 115° 50' 2.8"East
22/07/2007
Image: MB77_228JF13

14 *Amanita* sp.

Specimen ID: 3462

Growing in sand under melaleuca shrubland.
Latitude: 32° 4' 17.4"South Longitude: 115° 50' 2.9"East
22/07/2007
Image: MB77_228JF14
Vouchered WA Herbarium: **E9070**

15 *Rickenella fibula* **Orange Mosscap**

Specimen ID: 3463

Growing amongst moss in shrubland.
Latitude: 32° 4' 17.4"South Longitude: 115° 50' 2.8"East
22/07/2007
Image: MB77_228JF15

16 *Rhizopogon* sp.

Specimen ID: 3464

Growing in sand under kunzea in shrubland.
Latitude: 32° 4' 17.4"South Longitude: 115° 50' 3.1"East
22/07/2007
Image: MB77_228JF16

19 *Calocera guepinioides* **Scotsman's Beard**

Specimen ID: 3466

Growing on dead *Banksia littoralis* in melaleuca wetland.
Latitude: 32° 4' 17.1"South Longitude: 115° 50' 4.3"East
22/07/2007
Image: MB77_228JF19

20 *Hebeloma* sp.

Specimen ID: 3468

Growing amongst banksia litter on the edge of wetland/shrubland.
Latitude: 32° 4' 17.1"South Longitude: 115° 50' 4"East
22/07/2007
Image: MB77_228JF20
Vouchered WA Herbarium: **E9075**

21 *Mycena carmeliana* **Orange Footed Pixie Cap**

Specimen ID: 3469

Growing on dead banksia in melaleuca wetland.
Latitude: 32° 4' 17.1"South Longitude: 115° 50' 4.1"East
22/07/2007
Image: MB77_228JF21

22 *Pycnoporus coccineus* **Scarlet Bracket Fungus**

Specimen ID: 3470

Growing on dead melaleuca in melaleuca wetland.
Latitude: 32° 4' 17.7"South Longitude: 115° 50' 6.3"East
22/07/2007
Image: MB77_228JF22

Vouchered WA Herbarium: **E9063**

23 *Poria* sp.

Specimen ID: 3471

Growing on dead, standing *Eucalyptus rudis* on edge of wetland.
Latitude: 32° 4' 17.8"South Longitude: 115° 50' 5.8"East
22/07/2007
Image: MB77_228JF23

24 *Crepidotus eucalyptorum* **Eucalypt Crepidotus**

Specimen ID: 3472

Growing on live *Eucalyptus rudis* in woodland.
Latitude: 32° 4' 17.7"South Longitude: 115° 50' 5.5"East
22/07/2007
Image: MB77_228JF24

25 *Hohenbuehelia* sp.

Specimen ID: 3473

Growing on dead fallen melaleuca in woodland.
Latitude: 32° 4' 17.3"South Longitude: 115° 50' 5.3"East
22/07/2007
Image: MB77_228JF25

26 *Exidia* sp.

Specimen ID: 3474

Growing on dead fallen melaleuca in woodland.
Latitude: 32° 4' 17.3"South Longitude: 115° 50' 5.3"East
22/07/2007
Image: MB77_228JF26