Perth
Urban
Bushland
Fungi

Lightning Swamp Bushland 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

A large group gathered despite imminent rain

Recording fungi in the bushland

Enraptured audience

Sorting the fungi

PUBF Website : www.fungiperth.org.au

Western Australian Naturalists Club

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Government of Western Australia Department of Environment and Conservation

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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 8 July 2007 at Lightning Swamp Bushland - an urban bushland in the Perth region of southwest Western Australia.

The PUBF walk was organised with the assistance of the Friends of Lightning Swamp Bushland. The City of Bayswater supported the event by providing lunch for the participants. Eighty four people attended the event. These participants were divided into five foray groups, led by Roz Hart; Margaret Langley and Mark Brundrett; Kirsten Tullis; Neil Goldsborough and Tanja Lambe; and Jolanda Keeble, all volunteer Fungi Leaders from the PUBF Project. With assistance from the Fungi Leaders, the fungi collected were sorted and some were vouchered for permanent lodgement at the Western Australian Herbarium. Mycologist Neale Bougher identified the fungi and talked about their features and their roles in helping to keep bushlands healthy.

Lightning Swamp Bushland Fungi

The fruiting of fungi at this inaugural survey at Lightning Swamp Bushland may have been limited by below average rainfall in June 2007. Nevertheless, there were 110 fungi records, which included 57 different fungi, and 15 specimens were vouchered into the Western Australian Herbarium. Only one other fungus from Lightning Swamp Bushland had been previously lodged at the Western Australian Herbarium – the brilliant violet-coloured Archer's Cortinar – *Cortinarius archeri* (see page J-34 of the Perth fungi field book, Bougher 2007). The records from the survey in 2007 include genera of decomposer fungi such as *Conocybe, Gymnopilus,* and *Hjorstamia,* and beneficial mycorrhizal fungi belonging to genera such as *Amanita, Hebeloma, Laccaria,* and *Ramaria.* No truffle fungi (fungi that produce fruit bodies below the ground) were found during this survey, but it is likely some species of these do occur in Lightning Swamp Bushland.

One consequence of the low rainfall in June 2007 may have been that the majority of fungi observed during the survey at Lightning Swamp Bushland were lignicolous, i.e. those that inhabit dead wood such as fallen logs and branches. Comparatively less fungi were observed in the leaf litter or soil. Fungi that were particularly abundant on fallen wood, especially on fallen *Banksia* logs and branches included mushroom-like fungi such as *Gymnopilus allantopus* and *Gymnopilus purpuratus*, and jelly-like fungi such as *Dacryopinax* sp. and *Calocera guepinioides*. Some of the other wood-inhabiting fungi observed at Lightning Swamp Bushland displayed a range of striking colours. The bright red Strawberry Slime Mould, *Tubifera ferruginosa* was observed on fruiting on dead banksia wood in open banksia woodland. The violet-coloured resupinate (skin) fungus, *Hjorstamia crassa* was also notable on fallen wood of *Banksia*, *Eucalyptus* and a range of other woody plants.

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 are undescribed species. Far more fungi are likely to occur at Lightning Swamp Bushland than the 57 species recorded in this inaugural survey, and the previously collected Archer's Cortinar. A total of 64 species of fungi are currently recorded for Lightning Swamp Bushland. This total includes a further six species of fungi not previously recorded at Lightning Swamp Bushland that were collected by Kirsten Tullis later in 2007: *Descolea maculata, Amanita* sp., *Inocybe* sp., *Ascobolus* sp., and two unidentified cup fungi. These collections will be lodged at the Western Australian Herbarium. 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.

Management and general interest in Lightning Swamp Bushland (as with other parts of the Perth region) in the past has primarily focussed on flora and fauna conservation, e.g. Lightning Swamp Bushland Management Plan edited by Dawson *et al.* (2002). However, the Bushland's Flora, Fauna and Fungi may need to considered together for future management. 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 Lightning Swamp 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.

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).

Dawson et al (eds.) (2002) Lightning Swamp Bushland Management Plan. Prepared for the City of Bayswater and the Friends of Lightning Swamp, October 2002.

Lightning Swamp Bushland Fungi List: 8 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).

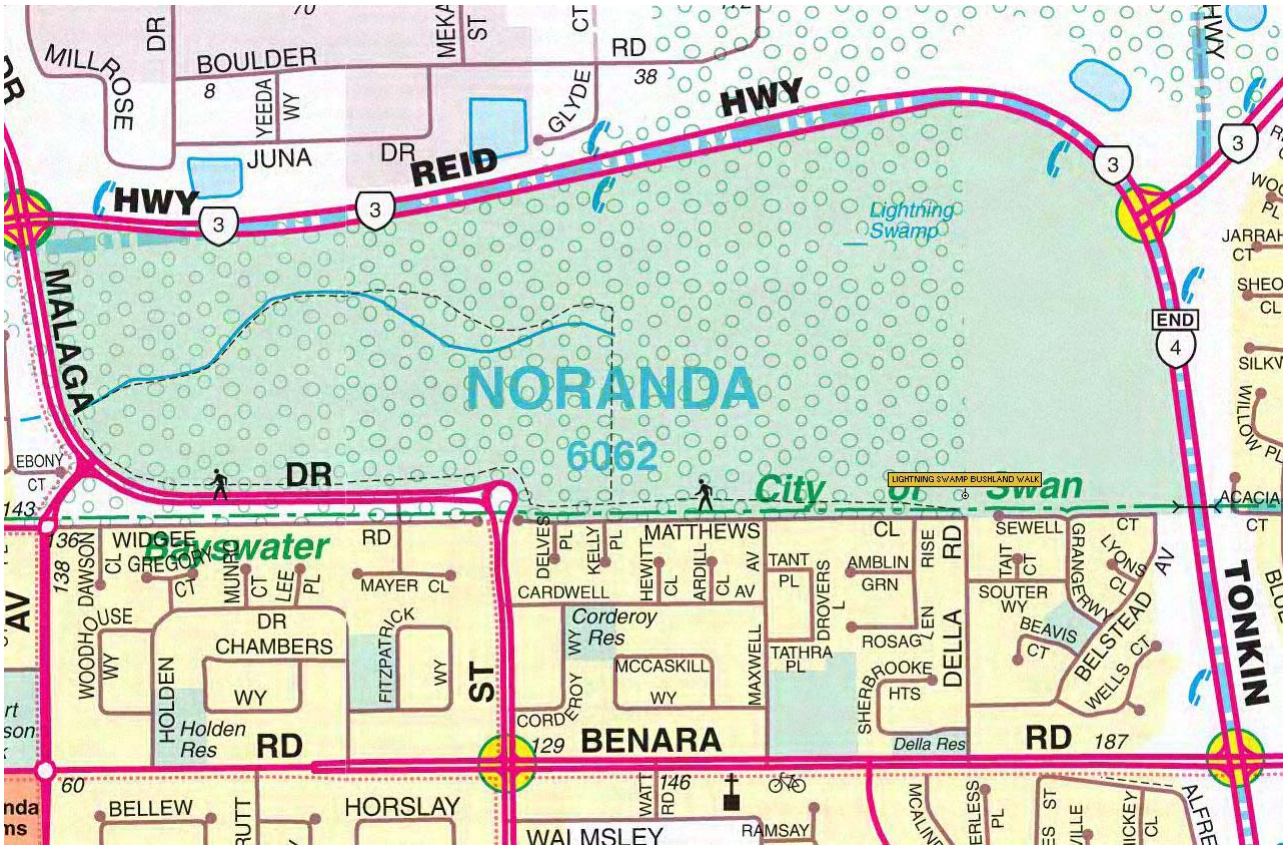
Scientific Name	Common Name	Form	Habitat	Life Mode	Fungimap Target	Field Book Page #	Specimen ID
***Amanita* sp.**		mushroom	litter/ground	M			3250, 3329 3330
***Bisporella* sp.**		cup	dead wood	S			3283
***Bovista* sp.**		puffball	litter/ground	S			3272
Calocera guepinioides	**Scotsman's Beard**	jelly fungus	dead wood	S		Q-1	3244, 3253 3276, 3315
***Clavulina* sp.**		coral	litter/ground	M			3232, 3303
***Clitocybe* sp.**		mushroom	litter/ground	S			3247, 3262 3295, 3334
Coltriciella dependens		mushroom	litter/ground	S			3290
***Conocybe* sp.**		mushroom	litter/ground	S			3228
Coprinus plicatilis	**Parasol Ink Cap**	mushroom	litter/ground	S		J-9	3235
***Coprinus* sp.**		mushroom	litter/ground	S			3299
***Cortinarius* sp.**		mushroom	litter/ground	M			3331
Crepidotus eucalyptorum	**Eucalypt Crepidotus**	shell	dead wood	S		J-13	3239
Crepidotus nephrodes		shell	dead wood	S			3240, 3252 3320
***Dacryopinax* sp.**		jelly	dead wood	S			3278
***Dermocybe* sp.**		mushroom	litter/ground	M			3309
***Didymium* sp.**		slime mould	dead wood	S			3296
***Exidia* sp.**		jelly fungus	dead wood	S			3322
***Galerina* sp.**		mushroom	litter/ground	S			3231, 3258, 3265, 3275
Gymnopilus allantopus	**Golden Wood Fungus**	mushroom	dead wood	S		J-15	3261, 3263 3317
Gymnopilus purpuratus		mushroom	dead wood	S			3234, 3257 3270, 3307
***Gymnopilus* sp.**		mushroom	dead wood	S			3251, 3273
***Hebeloma* sp.**		mushroom	litter/ground	M			3333
Hohenbuehelia petaloides		shell	dead wood	S			3233
Hjorstamia crassa		resupinate	dead wood	S			3282
***Hymenochaete* sp.**		resupinate	dead wood	S			3277
***Inocybe* sp.**		mushroom	litter/ground	M			3225
Laccaria lateritia	**Brick Red Laccaria**	mushroom	litter/ground	M		J-17	3308

Scientific Name	Common Name	Form	Habitat	Life Mode	Fungimap Target	Field Book Page #	Specimen ID
***Laccaria* sp.**		mushroom	litter/ground	M			3236, 3264 3269, 3306
Lichenomphalia umbellifera		mushroom	moss bed	S/P			3241, 3266
***Lycoperdon* sp.**		puffball	litter/ground	S			3271, 3305 3328
***Marasmiellus* sp.**		shell	dead wood	S			3284, 3285
***Mycena* sp.**		mushroom	litter/ground	S			3230, 3259 3291, 3294 3304, 3312 3314
Omphalotus nidiformis	**Ghost Fungus**	mushroom	dead wood	S/P	Yes	J-21	3248, 3279 3327
Pholiota communis	**Common Pholiota**	mushroom	litter/ground	S		J-26	3319, 3325
***Phylloporus* sp.**		mushroom	litter/ground	M			3254
Pisolithus marmoratus	**Dog Poo Fungus**	puffball	litter/ground	M			3268
***Pisolithus* sp.**	**Dog Poo Fungus**	puffball	litter/ground	M		L-3	3226, 3227 3332
Pluteus atromarginatus		mushroom	dead wood	S			3242, 3246
Poronia erici	**Dung Buttons**	button	dung	S	Yes	D-1	3243
***Psathyrella* sp.**		mushroom	litter/ground	S			3280, 3298
***Psilocybe* sp.**		mushroom	litter/ground	S			3321
Pycnoporus coccineus	**Scarlet Bracket Fungus**	bracket	dead wood	S		N-8	3237, 3245 3260, 3310
Ramaria cristata		coral	litter/ground	M			3313
***Resupinatus* sp.**		shell	dead wood	S			3281, 3297 3326
***Schizopora* sp.**		resupinate	dead wood	S			3318
***Scleroderma* sp.**		puffball	litter/ground	M		L-4	3288
***Simocybe* sp.**		mushroom	dead wood	S			3238
***Tremella mesenterica* group**	**Yellow Brain Fungus**	jelly fungus	dead wood	S	Yes	Q-2	3323
***Tremella* sp.**		jelly fungus	dead wood	S			3274
***Trichoderma* sp.**		mould	dead wood	S			3293
***Tricholoma* sp.**		mushroom	litter/ground	S			3256
Tubaria serrulata		mushroom	litter/ground	S			3249
***Tubaria* sp.**		mushroom	litter/ground	S			3316, 3324
Tubifera ferruginosa	**Strawberry Slime Mould**	slime mould	dead wood	S			3255
Undetermined Ascomycete		cup	litter/ground	S			3229, 3267
Undetermined Resupinate		resupinate	dead wood	M			3286, 3287 3289, 3292 3300, 3301 3302, 3311

Permanent Vouchered Specimens

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

Clitocybe sp.	**Voucher ID:** E9038	**Specimen ID:** 3295
Crepidotus nephrodes	**Voucher ID:** E9027	**Specimen ID:** 3252
Dermocybe sp.	**Voucher ID:** E9030	**Specimen ID:** 3309
Hebeloma sp.	**Voucher ID:** E9034	**Specimen ID:** 3333
Hohenbuehelia petaloides	**Voucher ID:** E9037	**Specimen ID:** 3233
Inocybe sp.	**Voucher ID:** E9033	**Specimen ID:** 3225
Lichenomphalia umbellifera	**Voucher ID:** E9040	**Specimen ID:** 3241
Mycena sp.	**Voucher ID:** E9036	**Specimen ID:** 3294
Hjorstamia crassa	**Voucher ID:** E9029	**Specimen ID:** 3282
Phylloporus sp.	**Voucher ID:** E9028	**Specimen ID:** 3254
Pluteus atromarginatus	**Voucher ID:** E9026	**Specimen ID:** 3246
Poronia erici	**Voucher ID:** E9041	**Specimen ID:** 3243
Simocybe sp.	**Voucher ID:** E9039	**Specimen ID:** 3238
Tricholoma sp.	**Voucher ID:** E9035	**Specimen ID:** 3256
Tubaria sp.	**Voucher ID:** E9032	**Specimen ID:** 3324



StreetExpress Map showing the location of Lightning Swamp Bushland, Bush Forever Site 307.

Aerial photo showing the colour coded tracks walked by the five groups on 8 July 2007.

Georeferenced Tracks and Photos

Roz Hart's group, 8 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: Lightning Swamp Date: 8/07/2007
Group Number: 218 Photographer: Roz Hart

02 *Inocybe* sp.

Specimen ID: 3225

Growing in sand in woodland/swamp.
Latitude: 31° 52' 15.3"South Longitude: 115° 54' 24.7"East
8/07/2007
Image: LS74_218RH02

Vouchered WA Herbarium: **E9033**

03 *Pisolithus* sp. **Dog Poo Fungus**

Specimen ID: 3226

Growing in sand in wetland.
Latitude: 31° 52' 10.8"South Longitude: 115° 54' 24.7"East
8/07/2007
Image: LS74_218RH03

04 *Pisolithus* sp. **Dog Poo Fungus**

Specimen ID: 3227

Growing in sand in wetland.
Latitude: 31° 52' 13.6"South Longitude: 115° 54' 24.6"East
8/07/2007
Image: LS74_218RH04

05 *Conocybe* sp.

Specimen ID: 3228

Growing in sand in wetland.
Latitude: 31° 52' 9.5"South Longitude: 115° 54' 24.1"East
8/07/2007
Image: LS74_218RH05

07 Undetermined Ascomycete

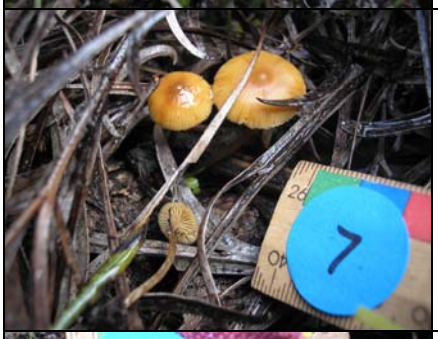
Specimen ID: 3229

Growing in sand, amongst litter, in wetland.
Latitude: 31° 52' 9.6"South Longitude: 115° 54' 23.9"East
8/07/2007
Image: LS74_218RH07

08 *Mycena* sp.

Specimen ID: 3230

Growing within litter in wetland.
Latitude: 31° 52' 9.6"South Longitude: 115° 54' 23.9"East
8/07/2007
Image: LS74_218RH08



09 *Galerina* sp.

Specimen ID: 3231

Growing within litter in wetland.
Latitude: 31° 52' 9.6"South Longitude: 115° 54' 23.9"East
8/07/2007
Image: LS74_218RH09

11 *Clavulina* sp.

Specimen ID: 3232

Growing within litter in wetland.
Latitude: 31° 52' 9.6"South Longitude: 115° 54' 23.9"East
8/07/2007
Image: LS74_218RH11

13 *Hohenbuehelia petaloides*

Specimen ID: 3233

Growing in sand, within litter in wetland.
Latitude: 31° 52' 9.6"South Longitude: 115° 54' 23.9"East
8/07/2007
Image: LS74_218RH13
Vouchered WA Herbarium: **E9037**

15 *Gymnopilus purpuratus*

Specimen ID: 3234

Growing on dead melaleuca in woodland.
Latitude: 32° 52' 10"South Longitude: 115° 54' 22.9"East
8/07/2007
Image: LS74_218RH15

17 *Coprinus plicatilis* **Parasol Ink Cap**

Specimen ID: 3235

Growing within litter in wetland.
Latitude: 32° 52' 10"South Longitude: 115° 54' 22.9"East
8/07/2007
Image: LS74_218RH17

20 *Laccaria* sp.

Specimen ID: 3236

Growing in sand, within litter in wetland.
Latitude: 32° 52' 10"South Longitude: 115° 54' 22.9"East
8/07/2007
Image: LS74_218RH20

21 *Pycnoporus coccineus* **Scarlet Bracket Fungus**

Specimen ID: 3237

Growing on dead, burnt wood in woodland/wetland.
Latitude: 32° 52' 11.1"South Longitude: 115° 54' 23"East
8/07/2007
Image: LS74_218RH21

22 *Simocybe* sp.

Specimen ID: 3238

Growing on dead, burnt wood in woodland/wetland.
Latitude: 32° 52' 11.1"South Longitude: 115° 54' 23"East
8/07/2007
Image: LS74_218RH22
Vouchered WA Herbarium: **E9039**

24 *Crepidotus eucalyptorum* **Eucalypt Crepidotus**

Specimen ID: 3239

Growing on dead, burnt wood in woodland/wetland.

Latitude: 32° 52' 11.1"South Longitude: 115° 54' 23"East

8/07/2007

Image: LS74_218RH24

25 *Crepidotus nephrodes*

Specimen ID: 3240

Growing on dead, burnt wood in woodland/wetland.

Latitude: 32° 52' 11.3"South Longitude: 115° 54' 22.8"East

8/07/2007

Image: LS74_218RH25

29 *Lichenomphalia umbellifera*

Specimen ID: 3241

Growing in sand, within moss in wetland/woodland.

Latitude: 32° 52' 10.7"South Longitude: 115° 54' 22.1"East

8/07/2007

Image: LS74_218RH29

Vouchered WA Herbarium: **E9040**

31 *Pluteus atromarginatus*

Specimen ID: 3242

Growing on small, dead, banksia stump in wetland/woodland.

Latitude: 32° 52' 11"South Longitude: 115° 54' 22.4"East

8/07/2007

Image: LS74_218RH31

32 *Poronia erici* **Dung Buttons**

Specimen ID: 3243

Growing on kangaroo dung in wetland.

Latitude: 32° 52' 10.7"South Longitude: 115° 54' 22.1"East

8/07/2007 **Fungimap Target**

Image: LS74_218RH32

Vouchered WA Herbarium: **E9041**

34 *Calocera guepinioides* **Scotsman's Beard**

Specimen ID: 3244

Growing on dead banksia in woodland/wetland.

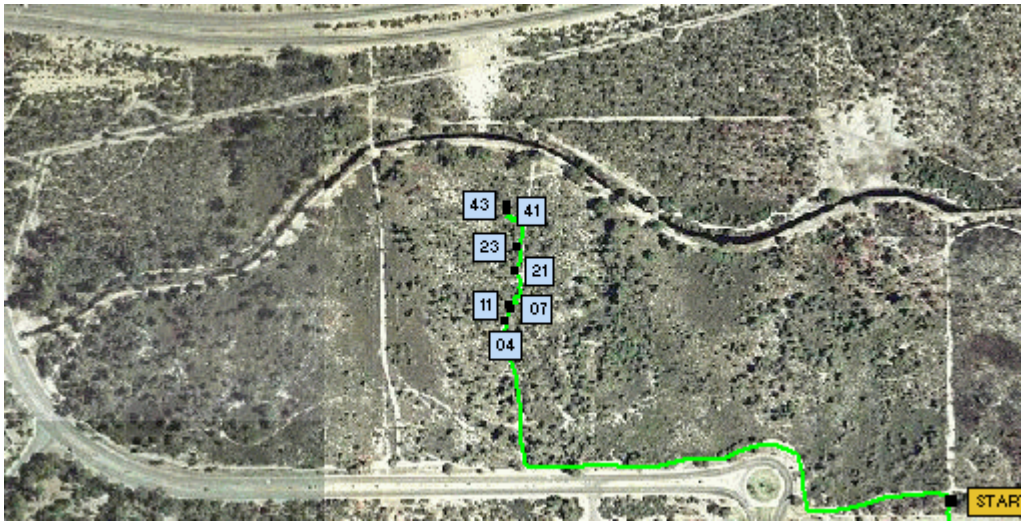
Latitude: 32° 52' 10.7"South Longitude: 115° 54' 21.9"East

8/07/2007

Image: LS74_218RH34

Georeferenced Tracks and Photos

Margaret Langley and Mark Brundrett's group, 8 July 2007



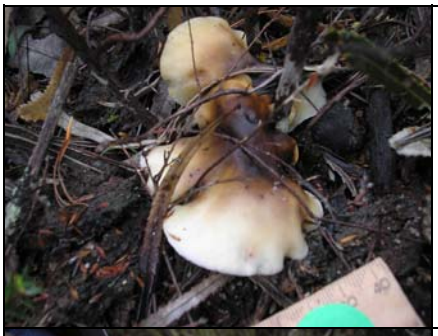
The numbers on the coloured dots in the fungi photos correspond to the collecting number and usually **do not** match the photo number. It is the **photo number** preceding the fungus name which correlates with the site on the map above.

Event: Lightning Swamp Date: 8/07/2007
Group Number: 219 Photographer: Mark Brundrett

04 *Pycnoporus coccineus* **Scarlet Bracket Fungus**
Specimen ID: 3245
Growing on dead jarrah nut in jarrah/banksia woodland.
Latitude: 31° 52' 11.7"South Longitude: 115° 54' 7.9"East
8/07/2007
Image: LS74_219MB04

07 *Pluteus atromarginatus*
Specimen ID: 3246
Growing on dead wood in soil, close to banksia stump.
Latitude: 31° 52' 11.3"South Longitude: 115° 54' 8.1"East
8/07/2007
Image: LS74_219MB07
Vouchered WA Herbarium: **E9026**

11 *Clitocybe* sp.
Specimen ID: 3247
Growing within litter in adenanthus shrubland.
Latitude: 31° 52' 11.2"South Longitude: 115° 54' 8.1"East
8/07/2007
Image: LS74_219MB11



15 *Omphalotus nidiformis* **Ghost Fungus**

Specimen ID: 3248

Growing on dead wood in jarrah/banksia woodland.
Latitude: 31° 52' 11.1"South Longitude: 115° 54' 8.2"East

8/07/2007 **Fungimap Target**

Image: LS74_219MB15

16 *Tubaria serrulata*

Specimen ID: 3249

Growing within litter in jarrah/banksia woodland.
Latitude: 31° 52' 11.1"South Longitude: 115° 54' 8.2"East

8/07/2007

Image: LS74_219MB16

21 *Amanita* sp.

Specimen ID: 3250

Growing in sand, under jacksonia, in open banksia woodland.
Latitude: 31° 52' 10.1"South Longitude: 115° 54' 8.2"East

8/07/2007

Image: LS74_219MB21

23 *Gymnopilus* sp.

Specimen ID: 3251

Growing on dead banksia in woodland.
Latitude: 31° 52' 9.3"South Longitude: 115° 54' 8.4"East

8/07/2007

Image: LS74_219MB23

26 *Crepidotus nephrodes*

Specimen ID: 3252

Growing on dead banksia in open banksia woodland.
Latitude: 31° 52' 8.5"South Longitude: 115° 54' 8.6"East

8/07/2007

Image: LS74_219MB26

Vouchered WA Herbarium: **E9027**

30 *Calocera guepinioides* **Scotsman's Beard**

Specimen ID: 3253

Growing on dead banksia in open banksia woodland.
Latitude: 31° 52' 8.5"South Longitude: 115° 54' 8.6"East

8/07/2007

Image: LS74_219MB30

33 *Phylloporus* sp.

Specimen ID: 3254

Growing in sand in open banksia woodland.
Latitude: 31° 52' 8.4"South Longitude: 115° 54' 8.2"East
8/07/2007
Image: LS74_219MB33
Vouchered WA Herbarium: **E9028**

37 *Tubifera ferruginosa* **Strawberry Slime Mould**

Specimen ID: 3255

Growing on dead banksia in open banksia woodland.
Latitude: 31° 52' 8.3"South Longitude: 115° 54' 8"East
8/07/2007
Image: LS74_219MB37

41 *Tricholoma* sp.

Specimen ID: 3256

Growing in sand in open banksia woodland.
Latitude: 31° 52' 8.1"South Longitude: 115° 54' 8"East
8/07/2007
Image: LS74_219MB41
Vouchered WA Herbarium: **E9035**

43 *Gymnopilus purpuratus*

Specimen ID: 3257

Growing in sand within litter in open banksia woodland.
Latitude: 31° 52' 7.9"South Longitude: 115° 54' 8.1"East
8/07/2007
Image: LS74_219MB43

Georeferenced Tracks and Photos

Kirsten Tullis's group, 8 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: Lightning Swamp Date: 8/07/2007
Group Number: 220 Photographer: Peter Davison

04 *Galerina* sp.

Specimen ID: 3258

Growing in sand, amongst moss, in open banksia/eucalypt woodland.

Latitude: 31° 52' 9.1"South Longitude: 115° 54' 45.7"East

8/07/2007

Image: LS74_220PD04

07 *Mycena* sp.

Specimen ID: 3259

Growing in sand, possibly on submerged wood in open banksia/eucalypt woodland.

Latitude: 31° 52' 9.3"South Longitude: 115° 54' 45.2"East

8/07/2007

Image: LS74_220PD07

08 *Pycnoporus coccineus*

Scarlet Bracket Fungus

Specimen ID: 3260

Growing on dead wood.

Latitude: 31° 52' 9.5"South Longitude: 115° 54' 45"East

8/07/2007

Image: LS74_220PD08

10 *Gymnopilus allantopus* **Golden Wood Fungus**

Growing on dead wood

Specimen ID: 3261

Latitude: 31° 52' 9.5"South Longitude: 115° 54' 44.9"East

8/07/2007

Image: LS74_220PD10

11 *Clitocybe* sp.

Specimen ID: 3262

Growing in sand in open banksia/eucalypt woodland.

Latitude: 31° 52' 9.5"South Longitude: 115° 54' 44.9"East

8/07/2007

Image: LS74_220PD11

15 *Gymnopilus allantopus* **Golden Wood Fungus**

Specimen ID: 3263

Growing in sand in open banksia/eucalypt woodland.

Latitude: 31° 52' 9.5"South Longitude: 115° 54' 44.9"East

8/07/2007

Image: LS74_220PD15

16 *Laccaria* sp.

Specimen ID: 3264

Growing in sand in open banksia/eucalypt woodland.

Latitude: 31° 52' 9.5"South Longitude: 115° 54' 44.9"East

8/07/2007

Image: LS74_220PD16

18 *Galerina* sp.

Specimen ID: 3265

Growing in sand on dead banksia cone in open banksia/eucalypt woodland.

Latitude: 31° 52' 9.5"South Longitude: 115° 54' 44.9"East

8/07/2007

Image: LS74_220PD18

21 *Lichenomphalia umbellifera*

Specimen ID: 3266

Growing in sand amongst moss in banksia woodland.

Latitude: 31° 52' 9.5"South Longitude: 115° 54' 44.8"East

8/07/2007

Image: LS74_220PD21

25 Undetermined Ascomycete

Specimen ID: 3267

Growing on dead banksia in banksia woodland.
Latitude: 31° 52' 9.5"South Longitude: 115° 54' 45"East
8/07/2007
Image: LS74_220PD25

28 *Pisolithus marmoratus* **Dog Poo Fungus**

Specimen ID: 3268

Growing in sand in open banksia/eucalypt woodland.
Latitude: 31° 52' 9.9"South Longitude: 115° 54' 45.2"East
8/07/2007
Image: LS74_220PD28

29 *Laccaria* sp.

Specimen ID: 3269

Growing in sand in open banksia/eucalypt woodland.
Latitude: 31° 52' 9.9"South Longitude: 115° 54' 45.3"East
8/07/2007
Image: LS74_220PD29

34 *Gymnopilus purpuratus*

Specimen ID: 3270

Growing out of dead melaleuca branch in woodland.
Latitude: 31° 52' 10.6"South Longitude: 115° 54' 44.2"East
8/07/2007
Image: LS74_220PD34

37 *Lycoperdon* sp.

Specimen ID: 3271

Growing in sand in open banksia/eucalypt woodland.
Latitude: 31° 52' 10.7"South Longitude: 115° 54' 44.3"East
8/07/2007
Image: LS74_220PD37

39 *Bovista* sp.

Specimen ID: 3272

Growing in sand in open banksia/eucalypt woodland.
Latitude: 31° 52' 10.7"South Longitude: 115° 54' 44.3"East
8/07/2007
Image: LS74_220PD39

46 *Gymnopilus* sp.

Specimen ID: 3273

Growing in sand, possibly on wood in woodland.
Latitude: 31° 52' 9.2"South Longitude: 115° 54' 43.3"East
8/07/2007
Image: LS74_220PD46

51 *Tremella* sp.

Specimen ID: 3274

Growing on dead wood in woodland.
Latitude: 31° 52' 9.2"South Longitude: 115° 54' 43.3"East
8/07/2007
Image: LS74_220PD51

55 *Galerina* sp.

Specimen ID: 3275

Growing in sand in woodland.
Latitude: 31° 52' 9"South Longitude: 115° 54' 43.5"East
8/07/2007
Image: LS74_220PD55

57 *Calocera guepinioides* **Scotsman's Beard**

Specimen ID: 3276

Growing on dead wood in woodland.
Latitude: 31° 52' 8.3"South Longitude: 115° 54' 43.2"East
8/07/2007
Image: LS74_220PD57

59 *Hymenochaete* sp.

Specimen ID: 3277

Growing on dead wood in woodland.
Latitude: 31° 52' 8.4"South Longitude: 115° 54' 42.9"East
8/07/2007
Image: LS74_220PD59

62 *Dacryopinax* sp.

Specimen ID: 3278

Growing on dead twig in woodland.
Latitude: 31° 52' 8.6"South Longitude: 115° 54' 42.8"East
8/07/2007
Image: LS74_220PD62

63 *Omphalotus nidiformis* **Ghost Fungus**

Specimen ID: 3279

Growing on dead tree in woodland.
Latitude: 31° 52' 9.4"South Longitude: 115° 54' 41.3"East
8/07/2007 **Fungimap Target**
Image: LS74_220PD63

65 *Psathyrella* sp.

Specimen ID: 3280

Growing amongst litter in woodland.
Latitude: 31° 52' 9.4"South Longitude: 115° 54' 41.3"East
8/07/2007
Image: LS74_220PD65

68 *Resupinatus* sp.

Specimen ID: 3281

Growing on dead wood in woodland.
Latitude: 31° 52' 9.4"South Longitude: 115° 54' 41.3"East
8/07/2007
Image: LS74_220PD68

70 *Hjorstamia crassa*

Specimen ID: 3282

Growing on dead wood in woodland.
Latitude: 31° 52' 9"South Longitude: 115° 54' 41.5"East
8/07/2007
Image: LS74_220PD70

Vouchered WA Herbarium: **E9029**

Georeferenced Tracks and Photos

Neil Goldsborough and Tanja Lambe's group, 8 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: Lightning Swamp Date: 8/07/2007
Group Number: 221 Photographer: Tanja Lambe

04 *Bisporella* sp.

Specimen ID: 3283
Attached to bark amongst decomposed litter in *Eucalyptus rudis* woodland.
Latitude: 31° 52' 13.3"South Longitude: 115° 54' 47.2"East
8/07/2007
Image: LS74_221TL04

06 *Marasmiellus* sp.

Specimen ID: 3284
Attached to bark amongst decomposed litter in *Eucalyptus rudis* woodland.
Latitude: 31° 52' 13.3"South Longitude: 115° 54' 47.2"East
8/07/2007
Image: LS74_221TL06

09 *Marasmiellus* sp.

Specimen ID: 3285
Attached to bark amongst decomposed litter in *Eucalyptus rudis* woodland.
Latitude: 31° 52' 13.3"South Longitude: 115° 54' 47.2"East
8/07/2007
Image: LS74_221TL09

13 Undetermined Resupinate

Specimen ID: 3286

Growing on dead branch, within litter in *Eucalyptus rudis* woodland.
Latitude: 31° 52' 13.1"South Longitude: 115° 54' 47.2"East
8/07/2007
Image: LS74_221TL13

15 Undetermined Resupinate

Specimen ID: 3287

Growing on dead branch, within litter in *Eucalyptus rudis* woodland.
Latitude: 31° 52' 13.1"South Longitude: 115° 54' 47.2"East
8/07/2007
Image: LS74_221TL15

18 *Scleroderma* sp.

Specimen ID: 3288

Growing in sand on open ground in wetland.
Latitude: 31° 52' 13.6"South Longitude: 115° 54' 47.2"East
8/07/2007
Image: LS74_221TL18

20 Undetermined Resupinate

Specimen ID: 3289

Growing on fallen *Eucalyptus rudis* branch in *Eucalyptus rudis* woodland.
Latitude: 31° 52' 13.8"South Longitude: 115° 54' 47"East
8/07/2007
Image: LS74_221TL20

21 *Coltriciella dependens*

Specimen ID: 3290

Growing on dead wood in woodland.
Latitude: 31° 52' 13.8"South Longitude: 115° 54' 47"East
8/07/2007
Image: LS74_221TL21

25 *Mycena* sp.

Specimen ID: 3291

Growing within litter, on dead *Eucalyptus rudis* branch in *Eucalyptus rudis* woodland.
Latitude: 31° 52' 13.9"South Longitude: 115° 54' 47.2"East
8/07/2007
Image: LS74_221TL25

28 Undetermined Resupinate

Specimen ID: 3292

Growing within litter, on dead *Eucalyptus rudis* branch in *Eucalyptus rudis* woodland.

Latitude: 31° 52' 13.9"South Longitude: 115° 54' 47.2"East

8/07/2007

Image: LS74_221TL28

29 *Trichoderma* sp.

Specimen ID: 3293

Growing within litter, on bark of dead *Eucalyptus rudis* in *Eucalyptus rudis* woodland.

Latitude: 31° 52' 13.9"South Longitude: 1158° 54' 47"East

8/07/2007

Image: LS74_221TL29

31 *Mycena* sp.

Specimen ID: 3294

Growing within litter, on living *Eucalyptus rudis* trunk in *Eucalyptus rudis* woodland.

Latitude: 31° 52' 14"South Longitude: 115° 54' 46.9"East

8/07/2007

Image: LS74_221TL31

Vouchered WA Herbarium: **E9036**

34 *Clitocybe* sp.

Specimen ID: 3295

Growing within litter, on dead *Eucalyptus rudis* trunk in *Eucalyptus rudis* woodland.

Latitude: 31° 52' 14"South Longitude: 115° 54' 46.9"East

8/07/2007

Image: LS74_221TL34

Vouchered WA Herbarium: **E9038**

37 *Didymium* sp.

Specimen ID: 3296

Growing within litter, on bark of dead *Eucalyptus rudis* bark in *Eucalyptus rudis* woodland.

Latitude: 31° 52' 14"South Longitude: 115° 54' 46.9"East

8/07/2007

Image: LS74_221TL37

38 *Resupinatus* sp.

Specimen ID: 3297

Growing on dead *Eucalyptus rudis* branch in *Eucalyptus rudis* woodland.

Latitude: 31° 52' 14.1"South Longitude: 115° 54' 46.9"East

8/07/2007

Image: LS74_221TL38

39 *Psathyrella* sp.

Specimen ID: 3298

Growing on dead *Acacia saligna* in woodland.
Latitude: 31° 52' 14.2"South Longitude: 115° 54' 47.1"East
8/07/2007
Image: LS74_221TL39

40 *Coprinus* sp.

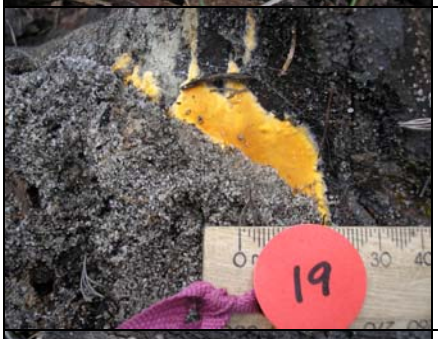
Specimen ID: 3299

Growing on dead *Acacia saligna* in woodland.
Latitude: 31° 52' 14.2"South Longitude: 115° 54' 47.1"East
8/07/2007
Image: LS74_221TL40

41 Undetermined Resupinate

Specimen ID: 3300

Growing on dead jacksonia branch in jacksonia woodland.
Latitude: 31° 52' 14.4"South Longitude: 115° 54' 46.9"East
8/07/2007
Image: LS74_221TL41



42 Undetermined Resupinate

Specimen ID: 3301

Growing on dead wood in woodland.
Latitude: 31° 52' 14.7"South Longitude: 115° 54' 47.1"East
8/07/2007
Image: LS74_221TL42

43 Undetermined Resupinate

Specimen ID: 3302

Growing on the underside of bark of dead *Eucalyptus rudis* wood in woodland.
Latitude: 31° 52' 14.2"South Longitude: 115° 54' 46.6"East
8/07/2007
Image: LS74_221TL43

45 *Clavulina* sp.

Specimen ID: 3303

Growing in sand, amongst litter in woodland.
Latitude: 31° 52' 14.7"South Longitude: 115° 54' 46.3"East
8/07/2007
Image: LS74_221TL45

47 *Mycena* sp.

Specimen ID: 3304

Growing in sand, amongst litter in woodland.
Latitude: 31° 52' 14.7"South Longitude: 115° 54' 46.3"East
8/07/2007
Image: LS74_221TL47

48 *Lycoperdon* sp.

Specimen ID: 3305

Growing in sand in *Xanthorrhoea preissii* woodland.
Latitude: 31° 52' 15"South Longitude: 115° 54' 46.9"East
8/07/2007
Image: LS74_221TL48

49 *Laccaria* sp.

Specimen ID: 3306

Growing in sand in *Xanthorrhoea preissii* woodland.
Latitude: 31° 52' 15"South Longitude: 115° 54' 46.9"East
8/07/2007
Image: LS74_221TL49

51 *Gymnopilus purpuratus*

Specimen ID: 3307

Growing on dead wood beneath *Eucalyptus rudis*.
Latitude: 31° 52' 15.3"South Longitude: 115° 54' 46.3"East
8/07/2007
Image: LS74_221TL51

56 *Laccaria lateritia* **Brick Red Laccaria**

Specimen ID: 3308

Growing in sand amongst sedges and jacksonia.
Latitude: 31° 52' 15.8"South Longitude: 115° 54' 45.2"East
8/07/2007
Image: LS74_221TL56

58 *Dermocybe* sp.

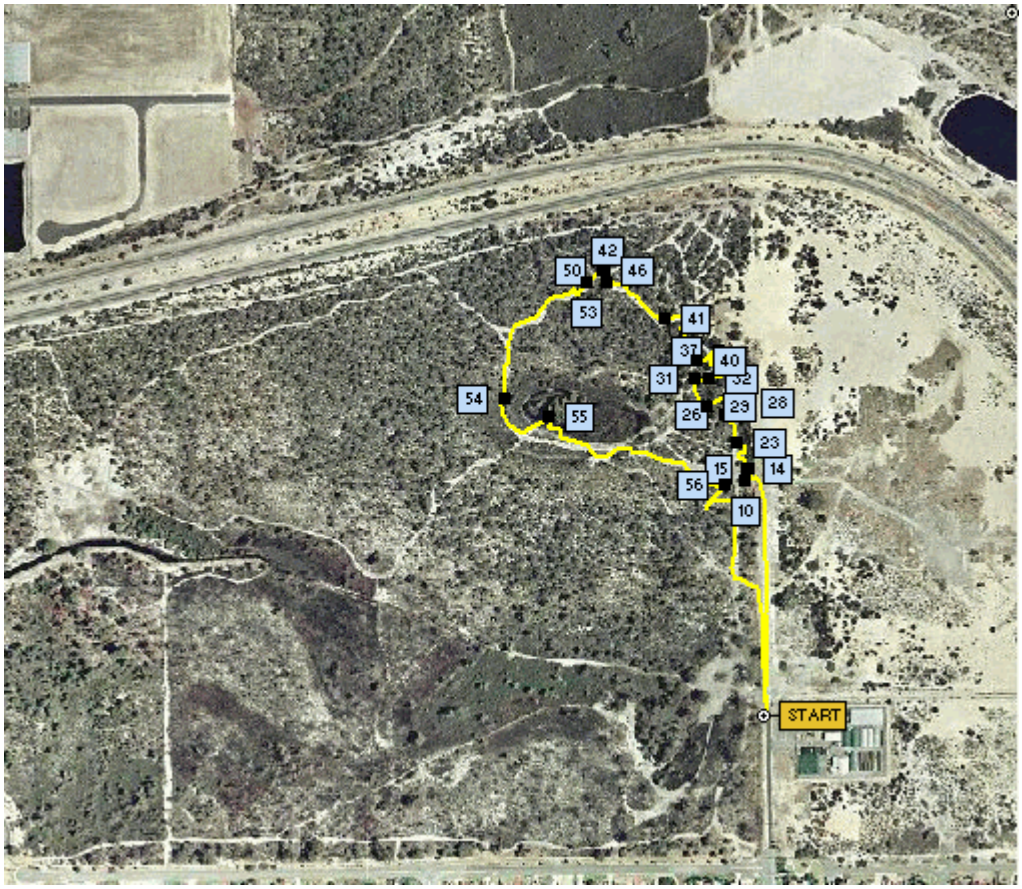
Specimen ID: 3309

Attached to roots of sedge in jacksonia wetland.
Latitude: 31° 52' 15.7"South Longitude: 115° 54' 45.3"East
8/07/2007
Image: LS74_221TL58

Vouchered WA Herbarium: **E9030**

Georeferenced Tracks and Photos

Jolanda Keeble's group, 8 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: Lightning Swamp Date: 8/07/2007
Group Number: 222 Photographer: Jolanda Keeble

10 *Pycnoporus coccineus* **Scarlet Bracket Fungus**
Specimen ID: 3310
Growing on dead wood in banksia woodland/shrubland.
Latitude: 31° 52' 5.9"South Longitude: 115° 54' 46.8"East
8/07/2007
Image: LS74_222JK10

14 Undetermined Resupinate

Specimen ID: 3311

Growing on dead wood in banksia woodland/shrubland.
Latitude: 31° 52' 6.6"South Longitude: 115° 54' 46.9"East
8/07/2007
Image: LS74_222JK14

15 *Mycena* sp.

Specimen ID: 3312

Growing in sand in banksia woodland/shrubland.
Latitude: 31° 52' 6.6"South Longitude: 115° 54' 46.9"East
8/07/2007
Image: LS74_222JK15

16 *Ramaria cristata*

Specimen ID: 3313

Growing in sand in banksia woodland/shrubland.
Latitude: 31° 52' 5.1"South Longitude: 115° 54' 46.6"East
8/07/2007
Image: LS74_222JK16

18 *Mycena* sp.

Specimen ID: 3314

Growing on the bark of a dead banksia in banksia woodland/shrubland.
Latitude: 31° 52' 5.1"South Longitude: 115° 54' 46.6"East
8/07/2007
Image: LS74_222JK18

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

Specimen ID: 3315

Growing on dead banksia in banksia woodland/shrubland.
Latitude: 31° 52' 5.1"South Longitude: 115° 54' 46.6"East
8/07/2007
Image: LS74_222JK19

21 *Tubaria* sp.

Specimen ID: 3316

Growing on dead banksia in banksia woodland/shrubland.
Latitude: 31° 52' 4.6"South Longitude: 115° 54' 46.9"East
8/07/2007
Image: LS74_222JK21

22 *Gymnopilus allantopus* **Golden Wood Fungus**

Specimen ID: 3317

Growing on dead banksia in banksia woodland/shrubland.

Latitude: 31° 52' 4.7"South Longitude: 115° 54' 46.7"East

8/07/2007

Image: LS74_222JK22

23 *Schizopora* sp.

Specimen ID: 3318

Growing on dead banksia in banksia woodland/shrubland.

Latitude: 31° 52' 4.7"South Longitude: 115° 54' 46.7"East

8/07/2007

Image: LS74_222JK23

26 *Pholiota communis* **Common Pholiota**

Specimen ID: 3319

Growing in sand in banksia woodland/shrubland.

Latitude: 31° 52' 3.8"South Longitude: 115° 54' 46.1"East

8/07/2007

Image: LS74_222JK26

28 *Crepidotus nephrodes*

Specimen ID: 3320

Growing on dead banksia in banksia woodland/shrubland.

Latitude: 31° 52' 3.4"South Longitude: 115° 54' 46.9"East

8/07/2007

Image: LS74_222JK28

29 *Psilocybe* sp.

Specimen ID: 3321

Growing in sand in banksia woodland/shrubland.

Latitude: 31° 52' 3.5"South Longitude: 115° 54' 45.4"East

8/07/2007

Image: LS74_222JK29

31 *Exidia* sp.

Specimen ID: 3322

Growing on dead banksia in banksia woodland/shrubland.

Latitude: 31° 52' 2.8"South Longitude: 115° 54' 45"East

8/07/2007

Image: LS74_222JK31

32 *Tremella mesenterica* group — **Yellow Brain Fungus**

Specimen ID: 3323

Growing on dead banksia in banksia woodland/shrubland.

Latitude: 31° 52' 2.6"South Longitude: 115° 54' 45.6"East

8/07/2007 **Fungimap Target**

Image: LS74_222JK32

34 *Tubaria* sp.

Specimen ID: 3324

Growing within litter in banksia woodland/shrubland.

Latitude: 31° 52' 2.8"South Longitude: 115° 54' 45.9"East

8/07/2007

Image: LS74_222JK34

Vouchered WA Herbarium: **E9032**

37 *Pholiota communis* — **Common Pholiota**

Specimen ID: 3325

Growing in sand in banksia woodland/shrubland.

Latitude: 31° 52' 1.7"South Longitude: 115° 54' 45.8"East

8/07/2007

Image: LS74_222JK37

40 *Resupinatus* sp.

Specimen ID: 3326

Growing on dead banksia in banksia woodland/shrubland.

Latitude: 31° 52' 2.05"South Longitude: 115° 54' 45.2"East

8/07/2007

Image: LS74_222JK40

41 *Omphalotus nidiformis* — **Ghost Fungus**

Specimen ID: 3327

Growing on dead banksia in banksia woodland/shrubland.

Latitude: 31° 51' .65"South Longitude: 115° 54' 43.8"East

8/07/2007 **Fungimap Target**

Image: LS74_222JK41

42 *Lycoperdon* sp.

Specimen ID: 3328

Growing in sand in banksia woodland/shrubland.

Latitude: 31° 51' 59.4"South Longitude: 115° 54' 41.7"East

8/07/2007

Image: LS74_222JK42

46 *Amanita* sp.

Specimen ID: 3329

Growing in sand in banksia woodland/shrubland.
Latitude: 31° 51' 59.1"South Longitude: 115° 54' 41.6"East
8/07/2007
Image: LS74_222JK46

50 *Amanita* sp.

Specimen ID: 3330

Growing in sand in banksia woodland/shrubland.
Latitude: 31° 51' 59.05"South Longitude: 115° 54' 41.5"East
8/07/2007
Image: LS74_222JK50

53 *Cortinarius* sp.

Specimen ID: 3331

Growing in sand in banksia woodland/shrubland.
Latitude: 31° 51' 49.4"South Longitude: 115° 54' 40.9"East
8/07/2007
Image: LS74_222JK53

54 *Pisolithus* sp. **Dog Poo Fungus**

Specimen ID: 3332

Growing in sand in banksia woodland/shrubland.
Latitude: 31° 52' 3.1"South Longitude: 115° 54' 37.7"East
8/07/2007
Image: LS74_222JK54

55 *Hebeloma* sp.

Specimen ID: 3333

Growing in sand amongst litter, near melaleuca and astartea in banksia woodland/shrubland.
Latitude: 31° 52' 3.7"South Longitude: 115° 54' 39.5"East
8/07/2007
Image: LS74_222JK55

Vouchered WA Herbarium: **E9034**

56 *Clitocybe* sp.

Specimen ID: 3334

Growing in sand in banksia woodland/shrubland.
Latitude: 31° 52' 3.7"South Longitude: 115° 54' 39.8"East
8/07/2007
Image: LS74_222JK56