

## Mindarie Fungi Report 2005

Perth Urban Bushland Fungi

Thirty people attended the PUBF Fungi workshop at the Mindarie Foreshore Reserve, off Long Beach Promenade, Mindarie on 19 June 2005, held between 10am-4pm.

The workshop was organised together with the Quinns Rocks Environmental Group (QREG). There were 4 groups for the foraying led by Roz Hart, Kevn Griffiths and Jolanda Keeble, Margaret Langley and Jane Bracken, Neale Bougher and Louise Little, all Leaders from the PUBF Project.



Fungi forays are held in winter!



Learning to do a detailed fungus description



Discussing the fungi collected



Looking at a fungus under the microscope

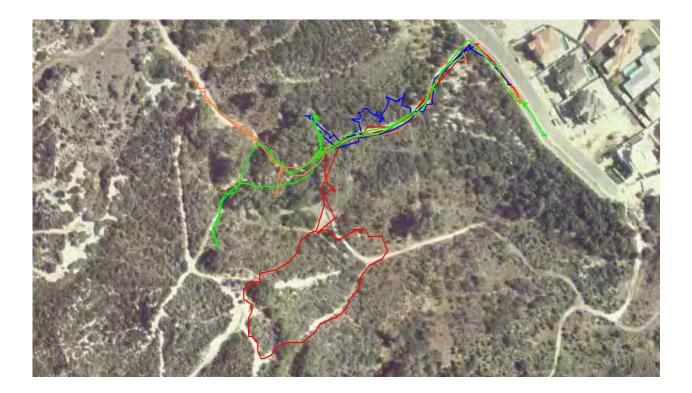
**Recommendation**: This event has allowed us to produce the **first ever inventory of fungi for the Mindarie Foreshore Reserve.** This list represents a very small portion of the fungi which are likely to be present in this reserve. Due to the nature of fungi, which fruit irregularly and intermittently, it will be necessary to conduct many such surveys over different days in the fungi season as well as in successive years to produce an accurate inventory of the fungi present in this valuable urban bush reserve.







StreetExpress Map showing the location of the Mindarie Foreshore Reserve, off Long Beach Promenade in Mindarie



Aerial photo showing the tracks for the four foray groups. Roz Hart's group track is red, Kevn Griffiths and Jolanda Keeble's group track is green, Margaret Langley and Jane Bracken's group track is blue, Neale Bougher and Louise Little's group track is orange.

## Mindarie Foreshore Reserve Fungi List, 19 June 2005

A wide diversity of fungi was observed during this workshop at the Reserve. Many of the fungi were found on dead wood and/or the bark of living trees and shrubs e.g. the bright orange jelly fungus *Tremella* on fallen *Acacia* branches. Other fungi were observed in the poor sandy soil of the dunes and some of these provide soil nutrients to the plants via their mycorrhizal symbioses (partnerships) e.g. *Inocybe* sp. a probable partner of Tuart trees in the Reserve.

**Fungi names** are provisional only as many of these fungi have not been examined in detail to confirm the names.

The list below contains all the fungi recorded by the 4 groups. Some species were collected by more than one group, so they have multiple specimen IDs.

# **Life Mode Key**: M = Mycorrhizal, S = Saprotrophic (Decomposer), S/P = Saprotrophic and Parasitic.

Life Mode is probable only as many fungi have not been tested.

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

<u>Scientific Name</u>	<u>Common Name</u>	<u>Form</u>	<u>Habitat</u>	<u>Life</u> <u>Mode</u>	Field <u>Book</u> Page No.	<u>Specimen</u> <u>ID</u>
Agrocybe pediades	Common Agrocybe	mushroom	litter/ground	S	J-1	1155
Bolbitius vitellinus	Egg Yolk Fungus	mushroom	litter/ground	S	J-3	1193
Byssomerulius corium	Bysso Skin Fungus	resupinate/ shelf	dead wood	S	O-3	1201
Clitocybe semiocculta	Shy Funnel Cap	shell	dead wood	S	J-4	1161, 1175, 1211
<i>Clitocybe</i> sp.		mushroom	litter/ground	S		1189, 1194
<i>Clitopilus</i> sp.		mushroom	litter/ground	S		1209
<i>Coprinus</i> cf. <i>picaceus</i> group	WA Magpie Fungus	mushroom	litter/ground	S	J-5	1172, 1181, 1185, 1212
<i>Coprinus</i> sp.		mushroom	litter/ground	S		1154
Crepidotus eucalyptorum	Eucalypt Crepidotus	shell	dead wood	S	J-13	1163, 1173, 1179, 1183, 1196, 1202, 1204
Crepidotus prostratus		mushroom/ shell	dead wood/litter/ ground	S		1171
<i>Exidia</i> sp.		jelly fungus	dead wood	S		1166, 1180, 1214
<i>Galerina</i> sp.		mushroom	litter/ground	S		1159

<u>Scientific Name</u>	<u>Common Name</u>	<u>Form</u>	<u>Habitat</u>	<u>Life</u> Mode	<u>Field</u> <u>Book</u> Page No.	<u>Specimen</u> <u>ID</u>
Harknessia uromycoides	Tuart Nut Fungus	pustules	dead wood	S	C-1	1156, 1208
Hexagonia vesparia	Wasp Nest Polypore	bracket	dead wood	S	N-3	1197
Inocybe sp.		mushroom	litter/ground	Μ		1213
<i>Melanoleuca</i> sp.		mushroom	litter/ground	S		1188
<i>Mycena</i> sp.		mushroom	litter/ground	S		1192, 1207
Mycoacia subceracea	Golden Splash Tooth	resupinate	dead wood	S	O-4	1152
<i>Myxomycete</i> sp.	Slime Mould	slime mould	dead wood	S		1153
Plicaria sp.		cup	litter/ground	S		1170
Polyporus badius		mushroom	dead wood	S		1164, 1174, 1205
Poria sp.		resupinate	dead wood	S		1169
Psathyrella sp.		mushroom	litter/ground	S		1176, 1199, 1203
Pycnoporus coccineus	Scarlet Bracket Fungus	bracket	dead wood	S	N-8	1165, 1168, 1182
Rhodocollybia sp.		mushroom	litter/ground	S		1210
Schizophyllum commune	Split Gill Fungus	shell	dead wood	S	R-2	1186
Scleroderma cepa	Earthballs	puffball	litter/ground	Μ		1151, 1157, 1158, 1198
Tremella mesenterica group	Yellow Brain Fungus	jelly fungus	dead wood	S	Q-2	1167, 1178, 1184, 1187, 1200
Tubaria sp.		mushroom	litter/ground	S		1206
Unknown Ascomycete		cup	litter/ground	S		1160
Unknown Resupinate	Skin Fungus	resupinate	dead wood	S		1162, 1190
Xeromphalina sp.		mushroom	dead wood	S		1177, 1191, 1195

#### **Permanent Voucher Collections**

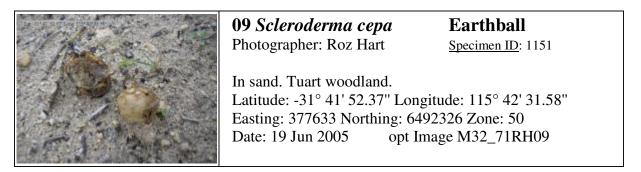
Two of the fungi collected on this event were deposited in the WA Herbarium Fungi collection with the following collection details:

Byssomerulius corium	Specimen ID: 1201	Voucher ID: E8220
Coprinus cf. picaceus group	Specimen ID: 1212	Voucher ID: E8219

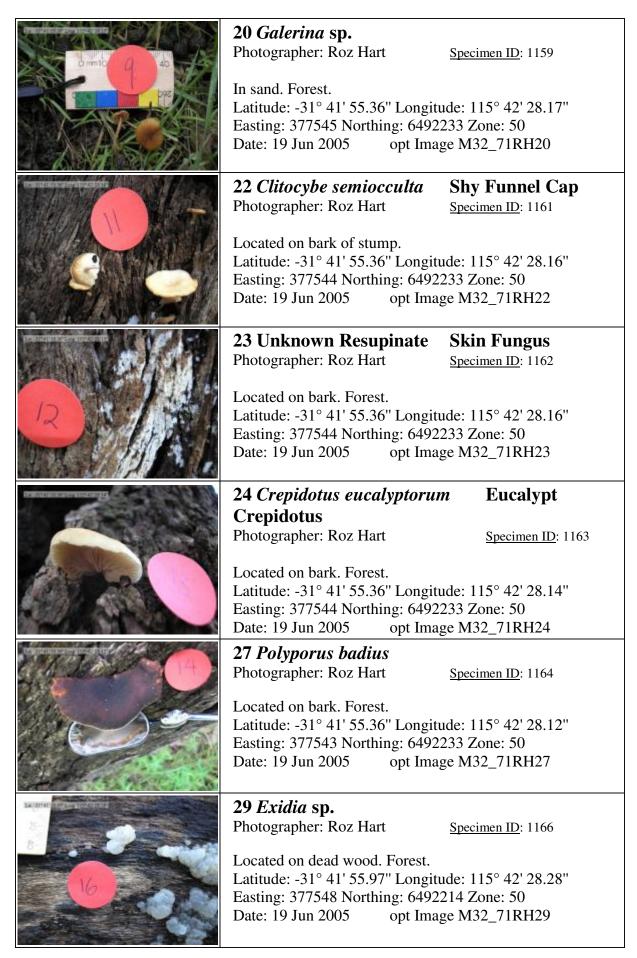
## **Georeferenced Track and Photos Roz Hart's Group - 19 June 2005**

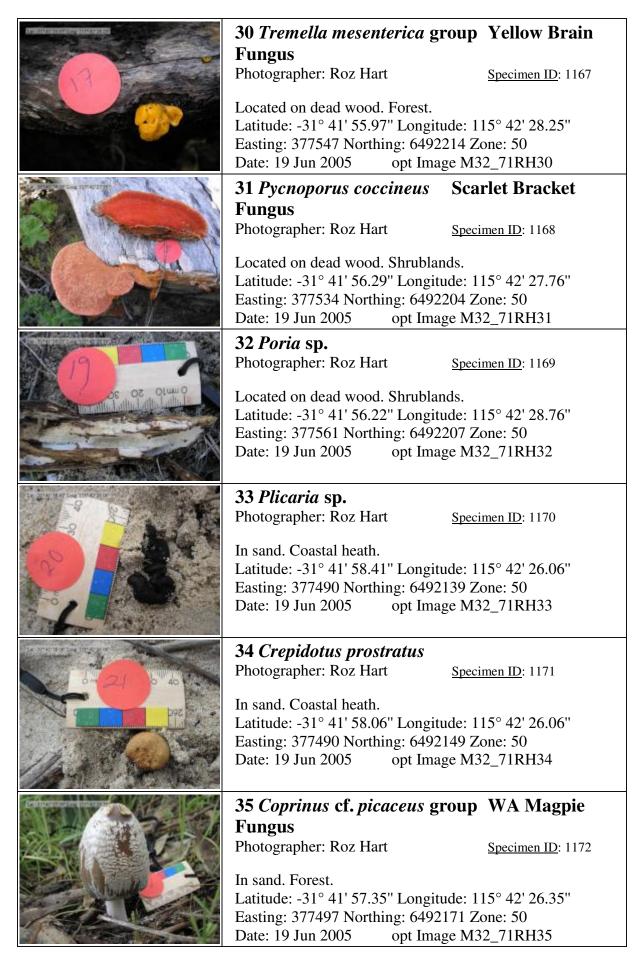


The numbers on the coloured dots in the fungi photos correspond to the collecting number and usually **do not** match the photo number. It is the **photo number** which correlates with the site on the map as above.



	•	Golden Splash Tooth Specimen ID: 1152
	Growing on dead wood on the grou Latitude: -31° 41' 55.42" Longitude Easting: 377546 Northing: 649223 Date: 19 Jun 2005 opt Image	e: 115° 42' 28.22"
Testing the second s	<b>14</b> Coprinus sp.Photographer: Roz HartS	Specimen ID: 1154
	In sand. Forest. Latitude: -31° 41' 55.36" Longitude Easting: 377546 Northing: 649223 Date: 19 Jun 2005 opt Image	
		Common Agrocybe
	In sand. Forest. Latitude: -31° 41' 55.36'' Longitude Easting: 377546 Northing: 649223 Date: 19 Jun 2005 opt Image	
	<b>16 Harknessia uromycoides</b> <b>Fungus</b> Photographer: Roz Hart	Tuart Nut Specimen ID: 1156
10 50 30 40	On Tuart nut. Forest. Latitude: -31° 41' 55.36'' Longitude Easting: 377545 Northing: 649223 Date: 19 Jun 2005 opt Image	
	······································	E <b>arthballs</b> Specimen ID: 1157
	In sand. Forest. Latitude: -31° 41' 55.36" Longitude Easting: 377545 Northing: 649223 Date: 19 Jun 2005 opt Image	
	1	E <b>arthballs</b> Specimen ID: 1158
	In sand. Forest. Latitude: -31° 41' 55.36" Longitude Easting: 377545 Northing: 649223	





## **Georeferenced Track and Photos**

## Kevn Griffiths' and Jolanda Keeble's Group - 19 June 2005





## **04** *Crepidotus eucalyptorum* **Crepidotus** Photographer: Kevn Griffiths

Eucalypt

Specimen ID: 1173

Located on bark of Tuart. Coastal shrubland. Latitude: -31° 41' 54.60" Longitude: 115° 42' 27.85" Easting: 377536 Northing: 6492256 Zone: 50 Date: 19 Jun 2005 opt Image M32\_72KG04

President and Pr	05 Clitocybe semiocculta Photographer: Kevn GriffithsShy Funnel Cap Specimen ID: 1175
3.	Located on bark of Tuart. Coastal shrubland. Latitude: -31° 41' 54.67" Longitude: 115° 42' 27.90" Easting: 377537 Northing: 6492254 Zone: 50 Date: 19 Jun 2005 opt Image M32_72KG05
	<b>07</b> Psathyrella sp.Photographer: Kevn GriffithsSpecimen ID: 1176
	Located amongst litter. Coastal shrubland. Latitude: -31° 41' 54.43" Longitude: 115° 42' 27.90" Easting: 377537 Northing: 6492262 Zone: 50 Date: 19 Jun 2005 opt Image M32_72KG07
	<b>08</b> Xeromphalina sp.Photographer: Kevn GriffithsSpecimen ID: 1177
	Located amongst litter and on nut. Coastal shrubland Latitude: -31° 41' 54.06" Longitude: 115° 42' 27.76" Easting: 377533 Northing: 6492273 Zone: 50 Date: 19 Jun 2005 opt Image M32_72KG08
The strategies have been been been been been been been be	10 Tremella mesenterica group Yellow Brain
Carles Carles	Fungus
	FungusPhotographer: Kevn GriffithsSpecimen ID: 1178
	Fungus
	FungusPhotographer: Kevn GriffithsSpecimen ID: 1178Located on dead wood. Shrublands.Latitude: -31° 41' 53.88" Longitude: 115° 42' 27.90"Easting: 377537 Northing: 6492278 Zone: 50
	Fungus Photographer: Kevn GriffithsSpecimen ID: 1178Located on dead wood. Shrublands. Latitude: -31° 41' 53.88" Longitude: 115° 42' 27.90" Easting: 377537 Northing: 6492278 Zone: 50 Date: 19 Jun 2005 opt Image M32_72KG10
	Fungus Photographer: Kevn GriffithsSpecimen ID: 1178Located on dead wood. Shrublands. Latitude: $-31^{\circ} 41' 53.88''$ Longitude: $115^{\circ} 42' 27.90''$ Easting: $377537$ Northing: $6492278$ Zone: $50$ Date: 19 Jun 2005 opt Image M32_72KG10 <b>11</b> Crepidotus eucalyptorum Crepidotus Photographer: Kevn GriffithsEucalypt Specimen ID: 1179Located on dead wood. Shrublands.Latitude: $-31^{\circ} 41' 53.86'''$ Longitude: $115^{\circ} 42' 27.83'''$
	Fungus Photographer: Kevn GriffithsSpecimen ID: 1178Located on dead wood. Shrublands. Latitude: -31° 41' 53.88" Longitude: 115° 42' 27.90" Easting: 377537 Northing: 6492278 Zone: 50 Date: 19 Jun 2005 opt Image M32_72KG10 <b>11</b> Crepidotus eucalyptorum Crepidotus Photographer: Kevn GriffithsEucalypt Specimen ID: 1179Located on dead wood. Shrublands.Latitude: -31° 41' 53.86" Longitude: 115° 42' 27.83" Easting: 377535 Northing: 6492279 Zone: 50
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	Fungus Photographer: Kevn GriffithsSpecimen ID: 1178Located on dead wood. Shrublands. Latitude: $-31^{\circ}$ 41' 53.88" Longitude: $115^{\circ}$ 42' 27.90" Easting: $377537$ Northing: $6492278$ Zone: $50$ Date: 19 Jun 2005opt Image M32_72KG10 <b>11</b> Crepidotus eucalyptorum Crepidotus Photographer: Kevn GriffithsEucalypt Specimen ID: 1179Located on dead wood. Shrublands.Latitude: $-31^{\circ}$ 41' 53.86" Longitude: $115^{\circ}$ 42' 27.83" Easting: $377535$ Northing: $6492279$ Zone: $50$ Date: 19 Jun 2005opt Image M32_72KG11
	FungusPhotographer: Kevn GriffithsSpecimen ID: 1178Located on dead wood. Shrublands.Latitude: $-31^{\circ} 41' 53.88"$ Longitude: $115^{\circ} 42' 27.90"$ Lasting: $377537$ Northing: $6492278$ Zone: $50$ Date: 19 Jun 2005opt Image M32_72KG10 <b>11</b> Crepidotus eucalyptorumEucalyptCrepidotusPhotographer: Kevn GriffithsSpecimen ID: 1179Located on dead wood. Shrublands.Latitude: $-31^{\circ} 41' 53.86"$ Longitude: $115^{\circ} 42' 27.83"$ Easting: $377535$ Northing: $6492279$ Zone: $50$ Date: 19 Jun 2005opt Image M32_72KG11 <b>14</b> Exidia sp.
	Fungus Photographer: Kevn GriffithsSpecimen ID: 1178Located on dead wood. Shrublands. Latitude: -31° 41' 53.88" Longitude: 115° 42' 27.90" Easting: 377537 Northing: 6492278 Zone: 50 Date: 19 Jun 2005opt Image M32_72KG10 <b>11</b> Crepidotus eucalyptorum Crepidotus Photographer: Kevn GriffithsEucalypt Specimen ID: 1179Located on dead wood. Shrublands.Latitude: -31° 41' 53.86" Longitude: 115° 42' 27.83" Easting: 377535 Northing: 6492279 Zone: 50 Date: 19 Jun 2005opt Image M32_72KG11 <b>14</b> Exidia sp. Photographer: Kevn GriffithsSpecimen ID: 1180

TOPP 12 1	19 <i>Pycnoporus coccineus</i> Fungus	Scarlet Bracket
	Photographer: Kevn Griffiths	Specimen ID: 1182
250	Located on dead log. Shrublands Longitude: 115° 42' 25.42"	S.Latitude: -31° 41' 55.75"
	Easting: 377472 Northing: 6492	220 Zone: 50 geM32_72KG19
Province and the contract	20 Crepidotus eucalyptorum	n Eucalypt
	Crepidotus	
	Photographer: Kevn Griffiths	Specimen ID: 1183
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1 Martin Carlos	56.51" Longitude: 115° 42' 25.34	
- MARCE CONSTRUCTION	Easting: 377471 Northing: 6492	
	Date: 19 Jun 2005 opt Imag	ge M32_72KG20
remains the second	21 Coprinus cf. picaceus gi	roup WA Magpie
	Fungus	
	Photographer: Kevn Griffiths	Specimen ID: 1185
A AND AND AND AND AND AND AND AND AND AN	In sand.Latitude: -31° 41' 54.51"	'Longitude: 115° 42' 26 68"
	Easting: 377505 Northing: 6492	6
	Date: 19 Jun 2005 opt Imag	ge M32_72KG21
te metrospece presente	22 Schizophyllum commun	e Split Gill Fungus
	Photographer: Kevn Griffiths	Specimen ID: 1186
	i notogrupher. Kevn Onnuls	<u>specificit ib</u> . 1100
	Located on dead wood. Shrublar	nds.
	Latitude: -31° 41' 53.27" Longitu	
	Easting: 377612 Northing: 6492	
2 March March Street	Date: 19 Jun 2005 opt Ima	ge M32_72KG22

## <u>Georeferenced Track and Photos</u> Jane Bracken and Margaret Langley's Group - 19 June 2005



De The Department	07 Tremella mesenterica group Yellow Brain
A Participant	FungusPhotographer: Jane BrackenSpecimen ID: 1187
	Located on dead wood. Shrublands. Latitude: -31° 41' 53.52" Longitude: 115° 42' 29.84" Easting: 377588 Northing: 6492290 Zone: 50 Date: 19 Jun 2005 opt Image M32_73JB07
	<b>08</b> <i>Melanoleuca</i> <b>sp.</b> Photographer: Jane Bracken <u>Specimen ID</u> : 1188 In sand, amongst litter. Shrublands.
	Latitude: -31° 41' 53.41" Longitude: 115° 42' 29.52" Easting: 377579 Northing: 6492293 Zone: 50 Date: 19 Jun 2005 opt Image M32_73JB08

Le HAUMETLA INCOM	<b>12 Clitocybe sp.</b> Photographer: Jane BrackenSpecimen ID: 1189Growing in sand surrounded by litter. Shrublands.
- AF	Latitude: -31° 41' 53.81" Longitude: 115° 42' 29.28" Easting: 377573 Northing: 6492281 Zone: 50 Date: 19 Jun 2005 opt Image M32_73JB12
Tex. Il Mail 100 KP Care Tex Co 2001	<b>18</b> Xeromphalina sp.Photographer: Jane BrackenSpecimen ID: 1191
	Located in sand. Shrublands. Latitude: -31° 41' 53.92" Longitude: 115° 42' 29.41" Easting: 377577 Northing: 6492278 Zone: 50 Date: 19 Jun 2005 opt Image M32_73JB18
	<b>23</b> Mycena sp.Photographer: Jane BrackenSpecimen ID: 1192
0 = 10 20 30 40	In soil amongst litter. Shrublands. Latitude: -31° 41' 53.85" Longitude: 115° 42' 29.42" Easting: 377577 Northing: 6492280 Zone: 50 Date: 19 Jun 2005 opt Image M32_73JB23
	<b>38</b> Xeromphalina sp.Photographer: Jane BrackenSpecimen ID: 1195
	In sand amongst litter. Shrublands. Latitude: -31° 41' 54.24" Longitude: 115° 42' 28.12" Easting: 377543 Northing: 6492267 Zone: 50 Date: 19 Jun 2005 opt Image M32_73JB38
Constant of the second s	<b>41</b> Hexagonia vespariaWasp Nest PolyporePhotographer: Jane BrackenSpecimen ID: 1197
	Located on bark of Tuart. Woodlands. Latitude: -31° 41' 53.81" Longitude: 115° 42' 27.61" Easting: 377529 Northing: 6492281 Zone: 50 Date: 19 Jun 2005 opt Image M32_73JB41

## <u>Georeferenced Track and Photos</u> Neale Bougher and Louise Little's Group - 19 June 2005

