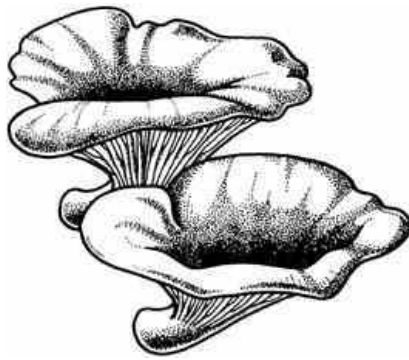


Perth
Urban
Bushland
Fungi

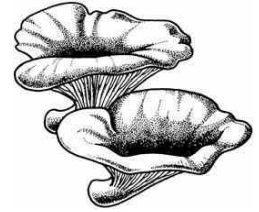


www.fungiperth.org.au

PUBF Fungi Survey for CALM Regional Parks Community Grant 2005.

Lake Coo loongup Rockingham Lakes Regional Park





Introduction

This report compiles PUBF fungi survey data collected for areas in 3 CALM Regional Parks in the Perth region in June and July 2005. For each bushland a list of fungi recorded, fungi vouchered, and a dossier of fungi photos has been produced as a permanent record of each PUBF survey.

Perth Urban Bushland Fungi (PUBF) is a collaborative project begun in 2004 between the Urban Bushland Council and the WA Naturalists' Club in conjunction with the WA Herbarium, with financial support from Lotterywest. Over the previous 10 years, several well attended fungi forays and workshops had been held in urban bushlands of Perth. These events highlighted growing requests by community and professional land managers to address the generally low level of awareness and knowledge about fungi and their general exclusion from bushland management. PUBF addresses this gap and exists to improve awareness and knowledge so that fungi become an integral part of long-term urban bushland management.

Perth's urban bushlands lie within one of the world's 34 terrestrial biodiversity hotspots for conservation priority. This region is the only hotspot in Australia. The bushlands are an important natural refuge for many fungi. The fungi underpin the long-term health and resilience of the bushlands. Knowledge of the fungi and other organisms that help keep the region's plants healthy is essential for effective conservation management of this hotspot region.

For the fungi surveys conducted in 2004 and 2005, PUBF utilised community assistance to survey and collect fungi from a wide range of vegetation and soil types within the coastal plain area of the Perth Metropolitan Region, the area covered by the Bush Forever Report.

The community assisted in building inventories of fungi for Perth bushlands. In most cases it was the first time fungi had been surveyed.

Selected fungi specimens from each of the bushlands surveyed have been lodged for permanent curation at the CALM WA Herbarium as a basis for key scientific studies about the identity, distribution and ecology of Perth's urban bushland fungi.

For further information about PUBF see the website at www.fungiperth.org.au

Written and produced by Neale L. Bougher, Roz Hart and John Weaver

Lake Coo loongup Fungi List

<u>Genus</u>	<u>Species</u>	<u>Voucher #</u>	<u>Family</u>	<u>ID #</u>
Boletus	sp.		Boletaceae	923
Botryobasidium	cf.subcoronatum	E8229	Botryobasidiaceae	910
Byssomerulius	corium	E8228	Meruliaceae	917
Calocera	guepinioides		Dacrymycetaceae	911
Clitocybe	semioculta		Tricholomataceae	927
Coprinus	cf.picaceus gp	E8225	Coprinaceae	894
Coprinus	cf.picaceus gp		Coprinaceae	885
Coprinus	sp.		Coprinaceae	900
Cortinarius	cf. sublargess		Cortinariaceae	924
Crepidotus	eucalyptorum		Crepidotaceae	883
Crepidotus	nephrodes		Crepidotaceae	892
Crepidotus	prostratus		Crepidotaceae	895
Crepidotus	sp.		Crepidotaceae	905
Diaporthe	sp.		Valsaceae	902
Exidia	sp.		Exidiaceae	897
Fomitopsis	lilacinogilva	E8226	Coriolaceae	887
Grandinia	sp.		Corticaceae	919
Gymnopilus	allantopus		Cortinariaceae	916
Gymnopilus	perplexus		Cortinariaceae	904
Gymnopilus	purpuratus		Cortinariaceae	908
Harknessia	uromycoides		Melanconidaceae	880
Henningsomyces	candidus		Schizophyllaceae	928
Hexagonia	vesparia		Coriolaceae	896
Hypocrea	sp.		Hypocreaceae	906
Megalocystidium	sp.	E8230	Gloeocystidellaceae	913
Mycena	sp.		Tricholomataceae	881
Mycena	sp.		Tricholomataceae	925
Mycena	sp.		Tricholomataceae	889
Mycena	sp.		Tricholomataceae	891
Mycena	sp.		Tricholomataceae	920
Mycena	sp.		Tricholomataceae	903
Mycena	sp.		Tricholomataceae	918
Mycoacia	subceracea	E8224	Meruliaceae	890
Omphalotus	nidiformis		Paxillaceae	926
Phellinus	robustus		Hymenochaetaceae	909
Phellinus	sp.		Hymenochaetaceae	907
Phlebia	rufa	E8227	Meruliaceae	912
Polypore	sp.		Unknown	915
Polyporus	badius		Polyporaceae	879
Psathyrella	sp.		Coprinaceae	876
Pycnoporus	coccineus		Coriolaceae	884
Resupinate	sp.		Unknown	914
Schizopora	sp.		Schizoporaceae	888
Scleroderma	sp.		Sclerodermataceae	922
Stropharia	semiglobata		Strophariaceae	899
Tremella	aurantia		Tremellaceae	886
Tubaria	furfuracea		Crepidotaceae	893
Undetermined Agaric	sp.		Agaricaceae	898
Undetermined Agaric	sp.		Agaricaceae	921
Xerula	australis		Tricholomataceae	901

**Overview of route walked starting from the western side of Lake
Cooloongup near the Hospital**

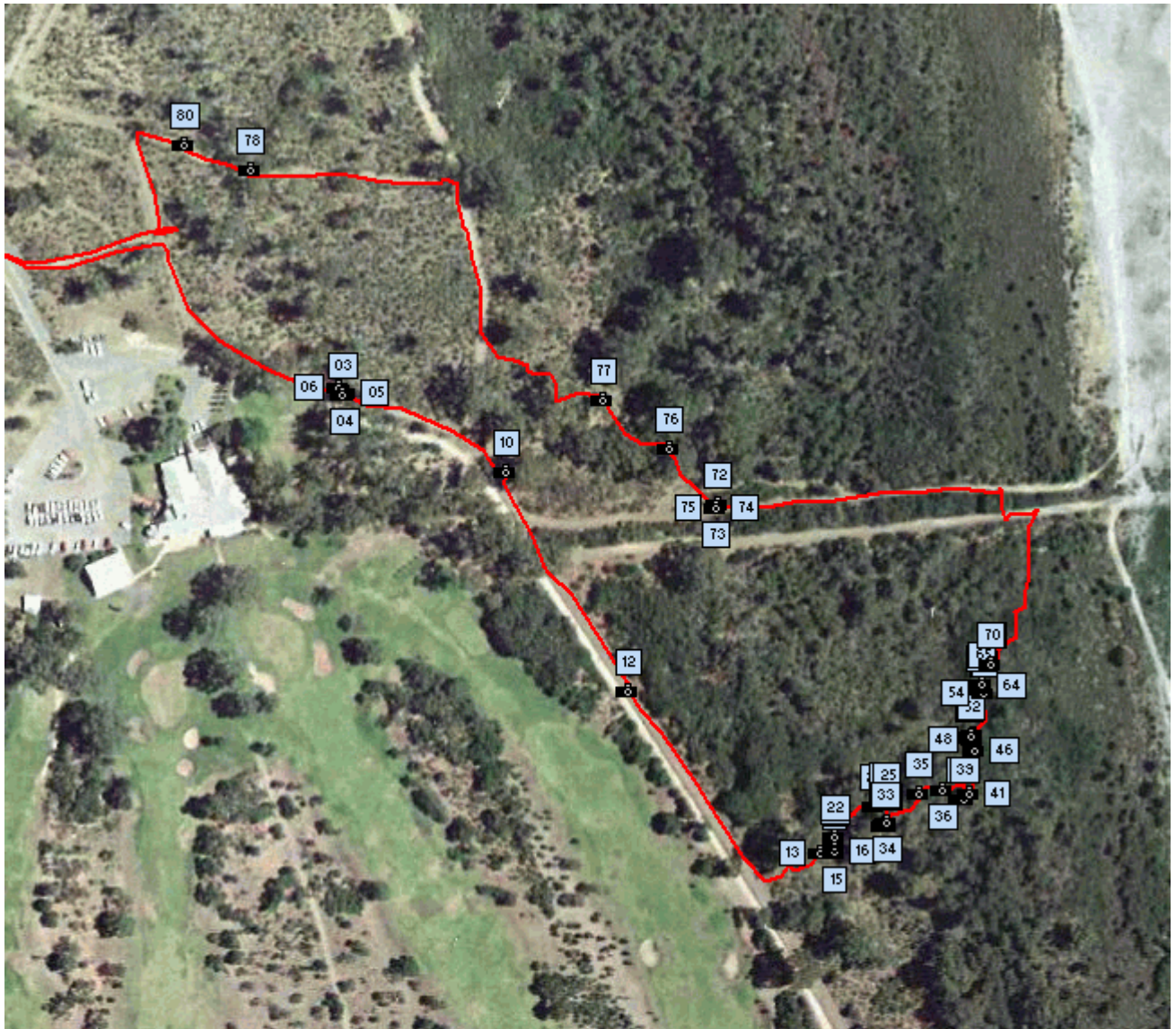


Fungi survey team



Georeferenced Track and Photos for 2005 CALM Regional Parks survey, Rockingham Lakes Regional Park, Lake Cooloongup site.

Conducted from 9:30am-12 noon on 21 June 2005



03 *Psathyrella* sp.

In sand.

In Tuart woodland

.Latitude: -32° 17' 38.15" Longitude: 115° 46' 27.38"

Date: 21 Jun 2005 9:55am

PUBF Regional Parks Fungi Survey Reports 2005



04 *Polyporus badius* Bracket fungus

On live tuart bark
Latitude: -32° 17' 38.15" Longitude: 115° 46' 27.42"
Date: 21 Jun 2005



05 *Harknessia uromycoides* Tuart Nut Spot fungus

On Tuart nuts
Latitude: -32° 17' 38.13" Longitude: 115° 46' 27.43"
Date: 21 Jun 2005



06 *Mycena* sp. 1

On Banksia bark
Latitude: -32° 17' 38.04" Longitude: 115° 46' 27.31"
Date: 21 Jun 2005



10 *Crepidotus eucalyptorum*

On Tuart tree
Latitude: -32° 17' 39.28" Longitude: 115° 46' 30.14"
Date: 21 Jun 2005



12 *Pycnoporus coccineus* Scarlet Bracket fungus

On Tuart bark
Latitude: -32° 17' 42.47" Longitude: 115° 46' 32.16"
Date: 21 Jun 2005

PUBF Regional Parks Fungi Survey Reports 2005

	<p>13 <i>Tremella mesenterica</i> group Orange Jelly fungus</p> <p>On dead Acacia wood Latitude: -32° 17' 44.84" Longitude: 115° 46' 35.41" Date: 21 Jun 2005</p>
	<p>15 <i>Fomitopsis lilacinogilva</i> Lilac Bracket fungus</p> <p>On dead wood Latitude: -32° 17' 44.84" Longitude: 115° 46' 35.65" Date: 21 Jun 2005</p> <p>Vouchered into WA Herbarium : #E8226</p>
	<p>16 <i>Schizopora</i> sp. Skin fungus</p> <p>On dead wood Latitude: -32° 17' 44.83" Longitude: 115° 46' 35.65" Date: 21 Jun 2005</p>
	<p>17 <i>Mycena</i> sp. 2</p> <p>On dead wood Latitude: -32° 17' 44.75" Longitude: 115° 46' 35.65" Date: 21 Jun 2005</p>
	<p>18 <i>Mycocacia subceracea</i> Golden Splash tooth fungus</p> <p>On dead Acacia wood Latitude: -32° 17' 44.68" Longitude: 115° 46' 35.65" Date: 21 Jun 2005</p> <p>Vouchered into WA Herbarium : #E8224</p>

PUBF Regional Parks Fungi Survey Reports 2005



20 *Crepidotus nephrodes*

On dead Tuart branch
 Latitude: -32° 17' 44.67" Longitude: 115° 46' 35.65"
 Date: 21 Jun 2005



22 *Mycena* sp. 3

On dead Acacia wood
 Latitude: -32° 17' 44.62" Longitude: 115° 46' 35.65"
 Date: 21 Jun 2005



23 *Tubaria furfuracea*

In sand
 Latitude: -32° 17' 44.16" Longitude: 115° 46' 36.35"
 Date: 21 Jun 2005



24 *Coprinus* aff. *picaceus* WA Magpie fungus

In sand
 Latitude: -32° 17' 44.16" Longitude: 115° 46' 36.48"
 Date: 21 Jun 2005

Suspected Weed fungus species, see paper by Neale Bougher in publication

Vouchered into WA Herbarium : #E8225



25 *Crepidotus prostratus*

On live wood
 Latitude: -32° 17' 44.15" Longitude: 115° 46' 36.55"
 Date: 21 Jun 2005

PUBF Regional Parks Fungi Survey Reports 2005



30 *Exidia* sp. Jelly fungus

On dead wood
Latitude: -32° 17' 44.45" Longitude: 115° 46' 36.55"
Date: 21 Jun 2005



31 Unknown Agaric

Latitude: -32° 17' 44.45" Longitude: 115° 46' 36.52"
Date: 21 Jun 2005



32 *Stropharia semiglobata* Dung fungus

On kangaroo dung
Latitude: -32° 17' 44.45" Longitude: 115° 46' 36.50"
Date: 21 Jun 2005



33 *Stropharia semiglobata* Dung fungus



On kangaroo dung
Latitude: -32° 17' 44.45" Longitude: 115° 46' 36.50"
Date: 21 Jun 2005








34 *Coprinus* sp. Ink Cap

In leaf litter
Latitude: -32° 17' 44.41" Longitude: 115° 46' 36.56"
Date: 21 Jun 2005

PUBF Regional Parks Fungi Survey Reports 2005

	<p>35 <i>Xerula australis</i> Rooting shank</p> <p>In sand Latitude: -32° 17' 44.01" Longitude: 115° 46' 37.10" Date: 21 Jun 2005</p>
	<p>36 <i>Diaporthe</i> sp.</p> <p>Latitude: -32° 17' 43.94" Longitude: 115° 46' 37.51" Easting:384857 Northing: 6426148 Zone: 50 Date: 21 Jun 2005</p>
	<p>37 <i>Mycena</i> sp.4</p> <p>Base of Tuart tree Latitude: -32° 17' 44.09" Longitude: 115° 46' 37.81" Easting:384865 Northing: 6426144 Zone: 50 Date: 21 Jun 2005</p>
	<p>39 <i>Gymnopilus perplexus</i></p> <p>On live Tuart bark Latitude: -32° 17' 44.09" Longitude: 115° 46' 37.86" Easting:384866 Northing: 6426144 Zone: 50 Date: 21 Jun 2005</p>
	<p>41 <i>Crepidotus</i> sp.</p> <p>On live Tuart bark Latitude: -32° 17' 44.01" Longitude: 115° 46' 37.96" Easting:384869 Northing: 6426146 Zone: 50 Date: 21 Jun 2005</p>






PUBF Regional Parks Fungi Survey Reports 2005

	<p>46 <i>Hypocrea</i> sp.</p> <p>On dead wood Latitude: -32° 17' 43.37" Longitude: 115° 46' 38.07" Easting:384871 Northing: 6426166 Zone: 50 Date: 21 Jun 2005</p>
	<p>48 <i>Phellinus</i> sp.</p> <p>On dead wood Latitude: -32° 17' 43.22" Longitude: 115° 46' 38.03" Easting:384870 Northing: 6426170 Zone: 50 Date: 21 Jun 2005</p>
	<p>50 <i>Gymnopilus purpuratus</i></p> <p>On fallen paperbark Latitude: -32° 17' 43.20" Longitude: 115° 46' 37.98" Easting:384869 Northing: 6426171 Zone: 50 Date: 21 Jun 2005</p>
	<p>51 <i>Phellinus robustus</i></p> <p>On dead paperbark Latitude: -32° 17' 43.15" Longitude: 115° 46' 38.03" Easting:384870 Northing: 6426173 Zone: 50 Date: 21 Jun 2005</p>
	<p>52 <i>Botryobasidium</i> cf <i>subcoronatum</i></p> <p>On dead paperbark Latitude: -32° 17' 43.17" Longitude: 115° 46' 38.01" Easting:384870 Northing: 6426172 Zone: 50 Date: 21 Jun 2005</p> <p>Vouchered into WA Herbarium : #E8229</p>

PUBF Regional Parks Fungi Survey Reports 2005

	<p>54 <i>Calocera guepinioides</i> Scotsman's Beard</p> <p>On dead Acacia Latitude: -32° 17' 42.54" Longitude: 115° 46' 38.24" Easting:384876 Northing: 6426192 Zone: 50 Date: 21 Jun 2005</p>
	<p>57 <i>Phlebia rufa</i></p> <p>On dead Acacia Latitude: -32° 17' 42.54" Longitude: 115° 46' 38.24" Easting:384876 Northing: 6426192 Zone: 50 Date: 21 Jun 2005</p> <p>Vouchered into WA Herbarium : #E8227</p>
	<p>58 <i>Megalocystidium</i> sp. Skin fungus</p> <p>On dead paperbark Latitude: -32° 17' 42.54" Longitude: 115° 46' 38.24" Easting:384876 Northing: 6426192 Zone: 50 Date: 21 Jun 2005</p> <p>Vouchered into WA Herbarium : #E8230</p>
	<p>61 Unknown Resupinate Skin fungus</p> <p>On dead wood Latitude: -32° 17' 42.54" Longitude: 115° 46' 38.24" Easting:384876 Northing: 6426192 Zone: 50 Date: 21 Jun 2005</p>
	<p>63 Unknown Polypore</p> <p>On dead Acacia Latitude: -32° 17' 42.46" Longitude: 115° 46' 38.18" Easting:384874 Northing: 6426194 Zone: 50 Date: 21 Jun 2005</p>





PUBF Regional Parks Fungi Survey Reports 2005

	<p>64 <i>Gymnopilus allantopus</i> Golden wood fungus</p> <p>On dead paperbark Latitude: -32° 17' 42.45" Longitude: 115° 46' 38.19" Easting:384874 Northing: 6426194 Zone: 50 Date: 21 Jun 2005</p>
	<p>65 <i>Byssomerulius corium</i> Skin fungus</p> <p>On dead Acacia Latitude: -32° 17' 42.42" Longitude: 115° 46' 38.22" Easting:384875 Northing: 6426195 Zone: 50 Date: 21 Jun 2005</p> <p>Vouchered into WA Herbarium : #E8228</p>
	<p>67 <i>Mycena</i> sp. 5</p> <p>In leaf litter Latitude: -32° 17' 42.14" Longitude: 115° 46' 38.35" Easting:384878 Northing: 6426204 Zone: 50 Date: 21 Jun 2005</p>
	<p>68 <i>Grandinia</i> sp. Skin fungus</p> <p>On burnt wood Latitude: -32° 17' 42.14" Longitude: 115° 46' 38.35" Easting:384878 Northing: 6426204 Zone: 50 Date: 21 Jun 2005 11:17am</p>
	<p>69 <i>Mycena</i> sp. 6</p> <p>On bark Latitude: -32° 17' 42.14" Longitude: 115° 46' 38.35" Easting:384878 Northing: 6426204 Zone: 50 Date: 21 Jun 2005</p>

PUBF Regional Parks Fungi Survey Reports 2005

	<p>70 Unknown Agaric</p> <p>In leaf litter Latitude: -32° 17' 42.14" Longitude: 115° 46' 38.35" Easting:384878 Northing: 6426204 Zone: 50 Date: 21 Jun 2005</p>
	<p>72 Scleroderma sp. Puffball</p> <p>In leaf litter Latitude: -32° 17' 39.79" Longitude: 115° 46' 33.75" Easting:384757 Northing: 6426275 Zone: 50 Date: 21 Jun 2005 11:28am</p>
	<p>73 Boletus sp. : parasitized by microfungus</p> <p>Amongst Acacias Latitude: -32° 17' 39.84" Longitude: 115° 46' 33.71" Easting:384756 Northing: 6426273 Zone: 50 Date: 21 Jun 2005</p>
	<p>74 Cortinarius cf. sublargess</p> <p>In leaf litter under Acacias Latitude: -32° 17' 39.84" Longitude: 115° 46' 33.71" Easting:384756 Northing: 6426273 Zone: 50 Date: 21 Jun 2005</p>
	<p>75 Mycena sp. 7</p> <p>Under Acacia Latitude: -32° 17' 39.84" Longitude: 115° 46' 33.71" Easting:384756 Northing: 6426273 Zone: 50 Date: 21 Jun 2005</p>

PUBF Regional Parks Fungi Survey Reports 2005

	<p>76 <i>Hexagonia vesparia</i> Wasp Nest fungus</p> <p>On live Tuart bark Latitude: -32° 17' 38.98" Longitude: 115° 46' 32.92" Easting:384735 Northing: 6426300 Zone: 50 Date: 21 Jun 2005 11:35am</p>
	<p>77 <i>Omphalotus nidiformis</i> Ghost fungus</p> <p>At base of old Tuart Latitude: -32° 17' 38.25" Longitude: 115° 46' 31.80" Easting:384706 Northing: 6426322 Zone: 50 Date: 21 Jun 2005</p>
	<p>78 <i>Clitocybe semioculta</i> Shy Funnel cap</p> <p>Latitude: -32° 17' 34.87" Longitude: 115° 46' 25.87" Easting:384549 Northing: 6426424 Zone: 50 Date: 21 Jun 2005</p>
	<p>80 <i>Henningsomyces candidus</i> Miniature Chimney Pots</p> <p>On dead Tuart Latitude: -32° 17' 34.51" Longitude: 115° 46' 24.74" Easting:384520 Northing: 6426435 Zone: 50 Date: 21 Jun 2005 11:48am</p>

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