

## Tyntesfield Audit, 1 October 2024

This was the most fruitful audit for well over 2 years: 73 species identified, 3 new to Tyntesfield and the return of some old mycorrhizal favourites. The new species were *Agaricus fissuratus*, *Lyophyllum fumosum* and *Orbilia leucostigma*. Fungi on fallen and felled wood continued to dominate with expansive growths of several species, including *Hypholoma fasciculare*, *Psathyrella piluliformis* and *Marasmius wynneae* amongst the most frequently encountered.

A very encouraging aspect of the Audit was seeing several of the larger mycorrhizal species, including excellent examples of *Russula sanguinaria*, *R. nigricans* and *R. parazurea*, *Boletus chrysenteron*, *Suillus collinitus* and *Lactarius semisanguifluus*. These were all under conifers (cedars and pines) on the garden lawns and Paradise.

The lawns had early examples of grassland fungi - two waxcaps (*Hygrocybe calciphyllo* and *Cuphophyllum pratensis*) and one spindle (*Clavulinopsis fusiformis*). Hopefully a good sign of things to come.

A list of fungi, with those new to Tyntesfield highlighted in red, is shown below, along with notes and photographs of some of the more common species.

<i>Agaricus campestris</i>	<i>Lepiota cingulum</i>
<i>Agaricus fissuratus</i>	<i>Lepiota cristata</i>
<i>Agaricus sylvaticus</i>	<i>Lycoperdon perlatum</i>
<i>Antrodia serialis</i>	<i>Lycoperdon pratense</i>
<i>Apioperdon pyriforme</i>	<i>Lyophyllum fumosum</i>
<i>Armillaria mellea</i>	<i>Marasmius wynneae</i>
<i>Ascocoryne sarcoides</i>	<i>Mycena arcangeliana</i>
<i>Auricularia auricula-judae</i>	<i>Mycena filopes</i>
<i>Bolbitius titubans</i>	<i>Mycena flavoalba</i>
<i>Boletus chrysenteron</i>	<i>Mycena haematopus</i>
<i>Calocera viscosa</i>	<i>Mycena leptocephala</i>
<i>Candolleomyces candolleanus</i>	<i>Mycena pelianthina</i>
<i>Clavulinopsis fusiformis</i>	<i>Mycena pura</i>
<i>Coprinellus micaceus</i>	<i>Mycena rosea</i>
<i>Crepidotus calolepsis</i>	<i>Mycoacia uda</i>
<i>Crepidotus mollis</i>	<i>Orbilia leucostigma</i>
<i>Cuphophyllum pratensis</i>	<i>Panaeolina foenicicii</i>
<i>Daldinia concentrica</i>	<i>Parasola conopilea</i>
<i>Galerina marginata</i>	<i>Parasola plicatilis</i>
<i>Geastrum britannicum</i>	<i>Pluteus aurantiorugosus</i>
<i>Gymnopus dryophilus</i>	<i>Pluteus cervinus</i>
<i>Helvella crispa</i>	<i>Pluteus ephebeus</i>
<i>Hygrocybe calciphila</i>	<i>Psathyrella piluliformis</i>
<i>Hygrophorus discoxanthus</i>	<i>Reticularia lycoperdon</i>
<i>Hypholoma fasciculare</i>	<i>Russula nigricans</i>
<i>Hypholoma lateritium</i>	<i>Russula parazurea</i>
<i>Hypoxylon fragiforme</i>	<i>Russula sanguinaria</i>
<i>Inocybe asterospora</i>	<i>Scleroderma verrucosum</i>
<i>Inocybe geophylla</i>	<i>Stereum hirsutum</i>
<i>Inocybe geophylla</i> var. <i>lilacina</i>	<i>Suillus collinitus</i>
<i>Inocybe maculata</i>	<i>Trametes versicolor</i>
<i>Inocybe sindonia</i>	<i>Tremella mesenterica</i>
<i>Kretzschmaria deusta</i>	<i>Tricholoma scalpturatum</i>
<i>Kuehneromyces mutabilis</i>	<i>Tricholomopsis rutilans</i>
<i>Laccaria amethystina</i>	<i>Tubifera ferruginosa</i>
<i>Laccaria laccata</i>	<i>Xylaria cinerea</i>
<i>Lactarius semisanguifluus</i>	

***Hypholoma lateritium* (Brick Tuft):** a very close relative of the more common *H. fasciculare* (Sulphur Tuft), but having a strong rich orange/brown colour and lacking any bitterness



***Marasmius wynneae* (Pearly Parachute):** this fungus is common at Tyntesfield. It has a beautiful white cap with a stipe that is strikingly orange/brown near the base.



*Psathyrella piluliformis* (Common Stump Brittlestem): seen growing in profusion on many moss coloured logs



*Mycena haematopus* (Burgundydrop Bonnet): one of two Mycenas that produce blood coloured juice when cut. This one was seen at several places on the Estate. Often, as here, growing from the cut end of felled trees.



***Orbilia leucostigma***: a translucent bright yellow cup fungus growing on water-soaked rotten wood. Detailed analysis was not possible, but identification can be made on the basis of its appearance alone.



***Tubifera ferruginosa* (Raspberry Slime Mould)**: another species enjoying really water-soaked rotten wood.



A very unfriendly *Ganoderma* seen growing on a large beech tree in Plantation. Getting ready for Halloween?

