What to do if you find it: Make an observation Make an observation Habitat Look for the Piggyba aill in conifer forest

Make an observation

The first thing to do is to record your observation. We prefer to use the iNaturalist app for that (visit www.iNaturalist.org to learn more), but you could also upload your observation to Mushroom Observer (visit www. MushroomObserver.org). The QR code to the right will take you to the Fungal Diversity Survey (FunDiS for short) website on how to "Contribute Observations" to the project.



The best thing you can do is take lots of photographs and notes. Typically, smartphones will automatically georeference any photos taken, but it is good practice to note your exact location, preferably with GPS coordinates, and be sure to note what trees are nearby, and any other salient features (like smell and texture). In this particular case, you should also document the host just as thoroughly as the parasite.

Collect a specimen

If you are in an area where it is allowed and have any necessary permits, we strongly urge you to create a vouchered collection of both the parasite and the host, if you are able. This means a dried specimen for deposit in a herbarium, where researchers can access it for things like DNA sequencing. If you don't know how to do this, please see:

fundis.org/sequence/sequence/dry-your-specimens

In California, collecting mushrooms is usually allowed in National Forests with a permit. Permits can be obtained at the headquarters of the National Forest you're visiting, and are usually inexpensive or free. However, restrictions vary among the individual National Forests, so make sure to find out the specifics when picking up your permit. In Oregon and Washington, you are typically allowed to collect one gallon without a permit on most public lands.

Don't forget to look for other mushrooms and fungi while vou're at it! Keep your eyes open for mushrooms growing on other mushrooms: they're all rare, so even if you haven't found this one, you've got something neat! Since you've already got iNaturalist open, why not record your other finds?

Most mushrooms are like fruit: picking an apple from an apple tree doesn't hurt the tree. In the same way, harvesting mushrooms does not generally hurt the mycelium of the fungus. We do still recommend leaving some mushrooms behind, and not picking perennial mushrooms, like brackets and conks.

Who to contact

If you think you've found this mushroom, and you're not sure about any of the above, such as how to report the find, whether you can collect it, or what to do with it once you have collected it. please contact us!

conservation@fundis.org





More information

Siegel N & Schwarz C. 2016. Mushrooms of the Redwood Coast: A Comprehensive Guide to the Fungi of Coastal Northern California. Ten Speed Press: pg. 225.

Siegel N, Vellinga EC, Schwarz C, Castellano MA, Ikeda D. 2018. A field guide to the rare fungi of California's National Forests. Bookmobile: pg. 128-129. Accessible at:

mykoweb.com/CAF/PDF/Rare_Fungi_of_CA_National_Forests.pdf

iNaturalist (0 obs. in Western North America): inaturalist.org/taxa/384733-Volvariella-surrecta

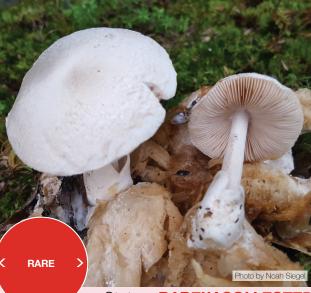
Mushroom Observer (1 obs. in Western North America): mushroomobserver.org/name/show_name/4004

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Piggyback Pinkgill

Volvariella surrecta



Status: RARELY COLLECTED

A parasitic mushroom, riding "Piggyback" on distorted Clitocybe species! There are only a handful of known collections of this mushroom from western North America we need more collections of this species so scientists can determine whether it is different from the European populations with the same name.

Have you ever seen a parasitic mushroom?





Description

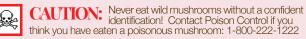
This remarkable fungus is a parasite on *Clitocybe* species, hence its common name: "Piggyback". It is also pinky-white the way "white" pigs are white. **Like all** *Volvariella*, it has a sac (or in technical terms, a "volva") at the base of the stem. The cap is 0.75–2 inches across and the stem is 1–3 inches long. The gills are usually whitish to pale pink.



What else could it be?

Nothing else like it grows on top of *Clitocybe* species, which are **often deformed by this parasite**. If you did not notice that it was on top of another mushroom, then it could be confused with *Volvariella smithii*, which grows on humus and has smaller spores. There are other mushroom parasites, for instance on old blackened *Russula*, but nothing as big, white, and pink as the Piggyback Pinkgill.

Look for the "eggs" of the Piggyback Pinkgill on the tops and around the margins of deformedlooking *Clitocybe*: if you leave them in a moist place for a few days, they are likely to hatch!



When & Where?



