

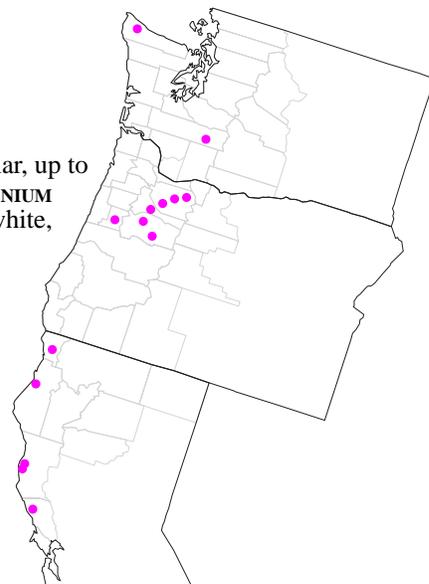
## *Sowerbyella rhenana* (Fuckel) J. Moravec

**ROD name** *Aleuria rhenana*

**Family** Otidiaceae

**Morphological Habit** cup

**Description:** **SPOROCARPS** stipitate, apotheciate. Cup compressed to regular, up to 10-25 mm in diam, shallowly broadly cupulate to nearly plane in age. **HYMENIUM** bright orange to yellow-orange, even. **ABHYMENIAL SURFACE** pale orange to white, typically with hyaline, appressed, inconspicuous hairs. **MARGIN** incurved becoming straight to flaring in age, sometimes cracking in age, lacking prominent hairs. **STEM** tapered, up to 5-20 mm long, up to 2-5 mm thick, concolorous with abhymenial surface, also invested with hairs, often several stems together. **PARAPHYSES** curved or straight, containing orange granules, fleetingly green when mounted in Melzer's reagent. **Asci** operculate, 8-spored, thin-walled. **SPORES** ellipsoid, 18-23.6 (-26.3) x 9-11.8  $\mu\text{m}$  without ornamentation, ornamented with a reticulum, the meshes 1.5-4  $\mu\text{m}$  broad, mostly 6-sided, ridges to 1.5  $\mu\text{m}$  tall, apiculus absent.



**Distinguishing Features:** Characterized by a stipitate cup with an orange to yellow-orange hymenium and pale orange to white underside and stem, and guttulate, reticulate spores that lack an apiculus. Although often confused with *Aleuria* spp., the combination of a stem and nonapiculate spores makes it quite distinctive. Other *Sowerbyella* species share the yellow or yellow-orange or orange stipitate, cup sporocarp; however, they have smaller spores and have less reticulation on the spores.

**Distribution:** Known from 14 sites within the range of the northern spotted owl: **CALIFORNIA**, Del Norte Co., Six Rivers National Forest, Big Flat campground; **Humboldt Co.**, Redwood National Park, Lady Bird Johnson Grove; **Mendocino Co.**, Jackson State Forest, .8 km from Little Lake Rd., alongside Rd. 409; Van Damme State Park; **Sonoma Co.**, Salt Point State Park; **OREGON**, **Benton Co.**, Siuslaw National Forest, along Rd. 3405; **Clackamas Co.**, near Rhododendron; Mount Hood National Forest, near south fork of Eagle Creek; Bureau of Land Management (BLM), Salem District, 8.3 km south of Estacada; **Linn Co.**, BLM, Salem District, east of Crabtree on Rd. 226; Willamette National Forest, Moose Ridge; **Marion Co.**, BLM, Salem District, Sinker Creek; **WASHINGTON**, **Clallam Co.**, near Forks, Bear Creek campground; **Lewis Co.**, Gifford Pinchot National Forest, near Cispus Environmental Learning Center. Also known from Europe and Japan.

**Substrate and habitat:** Fruits in scattered to gregarious or caespitose groups in duff of moist, relatively undisturbed, older conifer forests. One collection was noted to occur under *Lithocarpus* sp.

**Season:** Fruits October through December.

**References:** MORAVEC, J. 1986. A new species and two new combinations in the genus *Sowerbyella*. Mycol. Helv. 2:93-102. MORAVEC, J. 1988. A key to the species of *Sowerbyella* (Discomycetes, Pezizales). Česká Mykol. 42:193-199.



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