

# Hygrophoraceae revision

Online Resource 4. Presence of pigments reported in Hygrophoraceae by Steglich (Gill & Steglich 1987, Steglich & Pratt 1990) and Cibula (1976).

| Subfamily      | Tribe       | Genus     | Species                    | Carotenoid | Steglich<br>Muscaflavin | Steglich<br>Hygroaurin | Cibula<br>flavoHG | Cibula<br>rhodoHG | Soluble<br>pigment | Comments                                                                                                                    |
|----------------|-------------|-----------|----------------------------|------------|-------------------------|------------------------|-------------------|-------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Hygrocyboideae | Hygrocybeae | Hygrocybe | acutoconica                | N          | Y                       | Y                      |                   |                   | Y                  | New name for <i>H. persistens</i>                                                                                           |
|                |             | Hygrocybe | acutoconica v. konradii    |            | Y                       | Y                      | Y                 | N?                |                    |                                                                                                                             |
|                |             | Hygrocybe | appalachiensis             |            | Y                       | Y                      | Y                 | Y                 |                    | Cibula p92 mentions ?appa? sample No. 489                                                                                   |
|                |             | Hygrocybe | aurantiosplendens          |            | Y                       | Y                      |                   |                   | Y                  |                                                                                                                             |
|                |             | Hygrocybe | caespitosa                 | N          |                         |                        |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | calciophila                |            |                         |                        |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | cantherellus               |            | Y                       | Y                      | Y                 | Y                 | O/R                |                                                                                                                             |
|                |             |           |                            |            |                         |                        |                   |                   |                    | Bresinsky notes this as <i>H. citrina</i> , assuming his concept is as Lange (1940) & Breitenbach & Kränzlin (1991)         |
|                |             | Hygrocybe | ceracea                    |            |                         |                        |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | chloochlora                |            |                         |                        |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | chlorophana v. aurantia    |            |                         |                        |                   |                   | Y/O                |                                                                                                                             |
|                |             | Hygrocybe | chlorophana                |            | Y                       | Y                      |                   |                   | Y                  |                                                                                                                             |
|                |             | Hygrocybe | citrinovirens              |            | Y                       | Y                      |                   |                   | Y                  | Bresinsky notes this as <i>H. brevispora</i>                                                                                |
|                |             | Hygrocybe | coccinea                   | N          | Y                       | Y                      | Y                 | Y                 | R                  |                                                                                                                             |
|                |             | Hygrocybe | coccineocrenata            |            | Y                       | Y                      |                   |                   | O                  |                                                                                                                             |
|                |             |           |                            |            |                         |                        |                   |                   |                    | Bresinsky notes <i>H. nigrescens</i> (probably misappl.), <i>H. riparia</i> , <i>H. tristis</i> & <i>H. conicopalustris</i> |
|                |             | Hygrocybe | conica                     |            | Y                       | Y                      | Y                 | Y                 | O/Y                |                                                                                                                             |
|                |             | Hygrocybe | conicoides                 |            | Y                       | Y                      |                   |                   | O/Y                |                                                                                                                             |
|                |             | Hygrocybe | constrictospora            |            |                         |                        |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | cuspidata                  |            |                         |                        | Y                 | Y                 |                    | mentioned by Cibula                                                                                                         |
|                |             | Hygrocybe | sp. affin appalachianensis |            |                         |                        | Y                 | YYY               |                    | Cibula p90 mentions ?firma? sample No. 485                                                                                  |
|                |             | Hygrocybe | flavescens                 |            | Y                       | Y                      | Trace             | sometimes         |                    |                                                                                                                             |
|                |             | Hygrocybe | glutinipes                 |            | Y                       | Y                      |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | glutinipes v. rubra        |            |                         |                        |                   |                   | Y/O                |                                                                                                                             |
|                |             | Hygrocybe | helobia                    |            | Y                       | Y                      |                   |                   | O/R                |                                                                                                                             |
|                |             | Hygrocybe | hypohaematoca              |            |                         |                        |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | insipida                   |            | Y                       | Y                      |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | intermedia                 |            | Y                       | Y                      |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | marchii                    |            | Y                       | Y                      |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | melleofusca                |            |                         |                        |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | miniata                    |            | Y                       | Y                      | Y                 | Y                 | O/R                | rhodohygrocybin & flavohygrocybin                                                                                           |
|                |             | Hygrocybe | mucronella                 |            | Y                       | Y                      |                   |                   | R                  | real?mentioned by Besinsky                                                                                                  |
|                |             | Hygrocybe | noninquans                 |            |                         |                        |                   |                   |                    | New name for konradii var. antillana                                                                                        |
|                |             | Hygrocybe | occidentalis v. scarletina |            |                         |                        |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | olivaceonigra              |            | Y                       | Y                      |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | parvula                    |            | Y                       | Y                      | Y                 | Y                 |                    | Cibula described red stipe, yellow cap                                                                                      |
|                |             | Hygrocybe | phaeococcinea              |            |                         |                        |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | prieta (aff)               |            |                         |                        |                   |                   |                    |                                                                                                                             |
|                |             | Hygrocybe | punicea                    |            | Y                       | Y                      | Y                 | Y                 | R                  |                                                                                                                             |
|                |             |           |                            |            |                         |                        |                   |                   |                    | rhodHG more abundant here than any other Hygrocybe (Cibula)                                                                 |
|                |             | Hygrocybe | purpureofolius             |            |                         |                        | Y                 | YY                |                    | Bresinsky may have used misapplied name, <i>H. obrussea</i>                                                                 |
|                |             | Hygrocybe | quieta                     |            | Y                       | Y                      |                   |                   | O                  |                                                                                                                             |
|                |             | Hygrocybe | reidii                     |            | Y                       | Y                      |                   |                   | O                  |                                                                                                                             |
|                |             | Hygrocybe | rosea                      |            |                         |                        |                   |                   |                    |                                                                                                                             |