

Electronic Appendix 3. Images of living specimens for the species of the *Rubus gothicus*-group (*Rubus* ser. *Subthyrsoidei*) in the study area.

Rubus gothicus Frid. et Gelert – first year stem with leaves (Czech Republic, Zehuby, 5 IX 2013, photo: B. Trávníček).



Rubus gothicus Frid. et Gelert – above: first year stem with underside of leaves (Czech Republic, Staré Ždánice, 5 IX 2013); in the middle and below: details of first year stem (in the middle: Czech Republic, Srch, below: Staré Ždánice, 5 IX 2013); all photos: B. Trávníček.



Rubus gothicus Frid. et Gelert – typical leaf of the first-year stem (Czech Republic, Staré Ždánice, 5 IX 2013, photo: B. Trávníček).



Rubus gothicus Frid. et Gelert – above: flower (Czech Republic, Zehuby, 5 IX 2013); below: apical part of infructescence (Czech Republic, Srch, 5 IX 2013); both photos: B. Trávníček.



Rubus gothicus Frid. et Gelert – infructescence (Czech Republic, Srch, 5 IX 2013, photo: B. Trávníček).



Rubus subgothicus Sprib. – first year stem with leaves (Poland, Czerwięcice, 5 VIII 2019, photo: B. Trávníček).



Rubus subgothicus Sprib. – above: first year stem with underside of leaves (Poland, Gogolin, 6 VIII 2019); in the middle and below: detail of first year stem (in the middle: Poland, Czerwięcice, 5 VIII 2019; below: Czech Republic, Hrabyně, 1 IX 2019); all photos: B. Trávníček.



Rubus subgothicus Sprib. – typical leaf of the first year stem (Czech Republic, Hrabyně, 1 IX 2019, photo: B. Trávníček).



Rubus subgothicus Sprib. – above: detail of flower; below: apical part of the infructescence (Czech Republic, Hrabyně, 1 IX 2019; both photos: B. Trávníček).



Rubus subgothicus Sprib. – above: infructescence (Poland, Gogolin, 6 VIII 2019); below: a typical stand (Poland, Koza, 5 VIII 2019); both photos: B. Trávníček.



Rubus lobifolius Trávn. et Király – first year stem with leaves (Czech Republic, Obora, *locus classicus*, 27 VI 2020, photo: B. Trávníček).



Rubus lobifolius Trávn. et Király – above: first year stem with underside of leaves (Czech Republic, Obora, *locus classicus*, 21 IX 2019); detail of first year stem (*locus classicus*; in the middle: 27 VI 2020; below: 21 IX 2019); all photos: B. Trávníček.



Rubus lobifolius Trávn. et Király – typical leaves of the first year stem (Czech Republic, Obora, *locus classicus*; above: 27 VI 2020; below: 21 IX 2019); both photos: B. Trávníček.



Rubus lobifolius Trávn. et Király – above: inflorescence; below: flowers (Czech Republic, Obora, *locus classicus*, 27 VI 2020; both photos: B. Trávníček).



Rubus lobifolius Trávn. et Király – above: stamens and carpels; below: part of the infructescence (Czech Republic, Obora, *locus classicus* 27 VI 2020 (above), 21 IX 2019 (below); both photos: B. Trávníček).



Rubus lobifolius Trávn. et Király – above: underside indumentum of inflorescence leaf; below: a typical stand (Czech Republic, Obora, *locus classicus*, 27 VI 2020; both photos: B. Trávníček).



Rubus scarbantinus Király et Trávn. – first year stem with leaves (Hungary, Sopron, 4 VI 2013, photo: G. Király).



Rubus scarbantinus Király et Trávn. – details of first year stem (Hungary, Sopron, *locus classicus*, 7 VI 2020; all photos: G. Király).



Rubus scarbantinus Király et Trávn. – typical leaf of the first year stem (Hungary, Sopron, *locus classicus*, 7 VI 2020; photo: G. Király).



Rubus scarbantinus Király et Trávn. – above: inflorescence; below: part of the inflorescence (Hungary, Sopron, *locus classicus*, 7 VI 2020; both photos: G. Király).



Rubus scarbantinus Király et Trávn. – above: stamens and carpels (Hungary, Sopron, 4 VI 2013);
below: a typical stand (Hungary, Sopron, *locus classicus*, 7 VI 2020); both photos: G. Király.

