

List of identification keys for wetland plants and aquatic macroinvertebrate (non-exhaustive)

Plants

Haslam, S., Sinker, C. and Wolseley, P. (1982). British Water Plants (revised). AIDGAP 107.

Rich, T.C.G. and Jermy, A.C. (1998). *Plant Crib 1998*. Botanical Society of the British Isles, London (particularly useful for *Potamogeton*, *Ranunculus* and *Glyceria* spp.).

Stace, C. (2019). *New flora of the British Isles*. 4th Edition. Cambridge University Press, Cambridge. There is also a field version of this book.

Preston, C.D. (1995) *Pondweeds of Great Britain and Ireland*. BSBI Handbook 8. Botanical Society of the British Isles, London.

Lansdown, R.V. (2008) *Water-starworts Callitriche of Europe*. BSBI Handbook 11. Botanical Society of the British Isles, London.

Preston, C.D. and Croft, J.M. (1997) *Aquatic Plants in Britain and Ireland*. Harley Books, Colchester, Essex (Distribution atlas).

Grasses and Sedges

Cope, T. and Gray, A. (2009) *Grasses of the British Isles*. BSBI Handbook 13. Botanical Society of the British Isles, London.

Jermy, A.C., Simpson, D.A., Foley, M.J.Y. and Porter, M.S. (2007). *Sedges of the British Isles*. BSBI Handbook 1 edition 3. Botanical Society of the British Isles, London.

Rose, F. (1989). *Colour identification guide to the grasses, sedges, rushes and ferns of the British Isles and north-western Europe*. Viking, London.

Lower plants

Atherton, I., Bosanquet, S. and Lawley, M. (2010) *Mosses and Liverworts of Britain and Ireland a field guide*. British Bryological Society.

Merryweather, J. and Hill, M. (1992) *The fern guide*. Field Studies, 8, 101-188

Charophytes

Moore, J.A. (1986). *Charophytes of Great Britain and Ireland*. BSBI Handbook 5. Botanical Society of the British Isles, London.

Stewart, N.F. and Church, J.M. (1992) Red Data Books of Britain and Ireland: Stoneworts. JNCC, Peterborough.

Urbaniak, J. and Gabka, M. (2014) Polish Charophytes An Illustrated Guide to Identification. UWP, Wroclaw.

Macroinvertebrates

General

Dobson, M., Pawley, S., Fletcher, M. and Powell, A. (2012) Guide to Freshwater Invertebrates. FBA Scientific Publications no 68.

Pawley, S. (2011) Guide to British freshwater macroinvertebrates for biotic assessment. FBA scientific publication no.67.

Croft, P.S. (1986). *A key to the major groups of British freshwater invertebrates*. Field Studies Council Publication (AIDGAP 181).

Fitter, R. and Manuel, R. (1994). *Collins Photo Guide: Lakes, rivers, streams and ponds of Britain and North West Europe*. Harper Collins, London. *Out of print but replaced by*

Greenhalgh, M. and Ovenden, D. (2007) *Freshwater life Britain and northern Europe*. Collins, London.

Olsen, L-H., Sunesen, J. and Pedersen, B.V. (2001). *Small freshwater creatures*. OUP, Oxford.

Guthrie, M. (1989) *Animals of the Surface Film*. Naturalists' Handbook 12. Richmond Publishing, Slough Nilsson, A. (2005) *Aquatic Insects of north Europe a taxonomic handbook*. CD rom. Apollo Books.

Tachet, H., Richoux, P., Bournaud, M. and Usseglio-Polatera, P. (2010) *Invertébrés d'eau douce*. CNRS, Paris. *In French but with fully illustrated flowchart type keys*.

Tricladida

Reynoldson, T.B. and Young, J.O. (2000). *A key to the Freshwater Tricladids of Britain and Ireland*. Freshwater Biological Association Scientific Publication No. 58.

Gastropoda

Macan, T.T. (1977). *A key to the British fresh- and brackish-water Gastropods (4th ed.)*. Freshwater Biological Association Scientific Publication No.13.

Rowson, B., Powell, H., Willing, M. and Shaw, H. (2021) *Freshwater snails of Britain and Ireland*. Field Studies Council.

Bivalvia

Killen, I. Aldridge, D. and Oliver, G. (2004). *Freshwater bivalves of Britain and Ireland*. (AIDGAP) FSC Occasional Publication No. 82.

Hirudinea

Elliott, J.M. and Dobson, M. (2015). *Freshwater leeches of Britain and Ireland. Keys to the Hirudinea and a review of their ecology*. Freshwater Biological Association Scientific Publication No. 69.

Crustacea

Gledhill, T., Sutcliffe, D.W. and Williams, W.D. (1993). *British freshwater Crustacea Malacostraca: a key with ecological notes*. Freshwater Biological Association Scientific Publication No. 52.

http://www.fba.org.uk/recorders/publications_resources/keys/shrimp.html (a simple key to distinguishing Crangonyx, Gammarus and Niphargus).

Ephemeroptera

Elliot, J.M., and Humpesch, U.H. (2010). *Mayfly Larvae (Ephemeroptera) of Britain and Ireland: keys and a review of their ecology*. Freshwater Biological Association Scientific Publication No.66.

Harker, J. (1989) *Mayflies*. Naturalists' Handbook 13. Richmond Publishing, Slough

Macadam, C. and Bennett, C. (2010). *A pictorial guide to British Ephemeroptera*. FSC OP139.

http://www.fba.org.uk/recorders/publications_resources/keys/mayfly.html

Plecoptera

Hynes, H.B.N. (1977). *Adults and nymphs of the British stoneflies (Plecoptera) A key (3rd ed.)*. Freshwater Biological Association Scientific Publication No. 17.

Pryce, D., Macadam, C. and Brooks, S. (2007). *Guide to the British stonefly (Plecoptera) families: adults and larvae*. (AIDGAP) FSC Occasional Publication No. 113.

http://www.fba.org.uk/recorders/publications_resources/keys/stonefly.html

Odonata

Brooks, S. (1997). *Field Guide to the Dragonflies and Damselflies of Great Britain and Ireland*. British Wildlife Publishing: Rotherwick, Hampshire.

Hammond, C.O. (Revised by R. Merritt) (1983). *The Dragonflies of Great Britain and Ireland*. (2nd ed.). Harley Books, Colchester. *Out of print*.

Miller, P.L. (1995). *Dragonflies*. (2nd ed.). Naturalists' Handbook 7. Richmond Publishing, Slough.

Cham, S. (2007). *Field Guide to the larvae and exuviae of British Dragonflies. Vol 1 Dragonflies (Anisoptera)* The British Dragonfly Society, Peterborough. Republished as single volume with below.

Cham, S. (2009). *Field Guide to the larvae and exuviae of British Dragonflies. Vol2 Damselflies (Zygoptera)* The British Dragonfly Society, Peterborough. Republished as single volume with above.

Smallshire, D. and Swash, A. (2004) *Britain's Dragonflies*. WILDGuides Ltd., Old Basing, Hampshire.

Megaloptera and Neuroptera

Elliott, J.M. (1996). *British freshwater Megaloptera and Neuroptera*. Freshwater Biological Association Scientific Publication No. 54.

Coleoptera

Friday, L.E. (1988). *A key to the adults of British water beetles (AIDGAP Key)*. Field Studies Council Publication 189. *out of print - partly replaced by*

Foster, G.N. and Friday, L.E. (2011) Keys to the adults of the water beetles of Britain and Ireland (part 1) Handbooks for the Identification of British Insects Vol. 4 Part 5 (2nd ed) Royal Entomological Society.

Foster, G.N., Bilton, D.T. and Friday, L.E. (2014) Keys to the adults of the water beetles of Britain and Ireland (part 2) Handbooks for the Identification of British Insects Vol. 4 Part 5b Royal Entomological Society.

Duff, A.G. (2012) *Beetles of Britain and Ireland Volume 1: Sphaeriusidae to Silphidae*. A.G.Duff (Publishing), Norfolk.

Holland, D.G. (1972) A key to the larvae, pupae and adults of the British species of Elminthidae. Freshwater Biological Association Scientific Publication No. 26. *Out of print*.

Olmi, M. (1976) Dryopidae-Elminthidae. Fauna d'Italia Vol 12. Bologna.

Hemiptera

Savage, A.A. (1989). *Adults of the British aquatic Hemiptera Heteroptera: a key with ecological notes*. Freshwater Biological Association Scientific Publication No. 50.

Strauss, G. and Niedringhaus, R. (2014) Die Wasserwanzen Deutschlands Bestimmungsschlüssel für alle Nepo- und Gerromorpha. WABV, Scheebel. *In German but with illustrated keys and photographs of identification features*.

Trichoptera

Edington, J.M. and Hildrew, A.G. (1995). *A key to the caseless caddis larvae of the British Isles*. Freshwater Biological Association Scientific Publication No. 53.

Wallace, I.D., Wallace, B. and Philipson, G.N. (2003). *A key to the case-bearing caddis larvae of Britain and Ireland*. Freshwater Biological Association Scientific Publication No.61.

Wallace, I. (2006) *Simple key to caddis larvae*. (AIDGAP) FSC Occasional Publication No. 105.

Barnard, P. and Ross, E. (2012) *The adult Trichoptera (caddisflies) of Britain and Ireland*. Royal Entomological Society of London. Handbook for the Identification of British Insects Vol. 1, part 17.

Rinne, A. and Wiberg-Larsen, P. (2019?) *Trichoptera Larvae of Finland. A key to the caddis larvae of Finland and nearby countries*. Trificon, Finland.

Waringer, J. and Graf, W. (2011) *Atlas of Central European Trichoptera Larvae*. Erik Mauch Verlag, Germany. <http://www.amentoc.org/insects/fact-files/orders/guide-to-caddis.pdf>

Diptera

Andersen, T., Cranston, P.S. and Epler, J.H. (2013) Chironomidae of the Holarctic Region Keys and diagnoses – larvae. *Insect Systematics & Evolution Supplement No 66*. Media-Tryck, Lund, Sweden.

Bass, J. (1998) Last-instar Larvae and Pupae of the Simuliidae of Britain and Ireland. A key with brief ecological notes. Freshwater Biological Association Scientific Publication No. 55.

Cranston, P.S. (1982) A key to the larvae of the British ORTHOCLADIINAE (Chironomidae). Freshwater Biological Association Scientific Publication No. 45.

Disney, R.H.L. (1999) British Dixidae (meniscus midges) and Thaumaleidae (trickle midges): keys with ecological notes. Freshwater Biological Association Scientific Publication No. 56.

Smith, K.G. V. (1989). *An introduction to the immature stages of British flies*. Royal Entomological Society of London. Handbook for the Identification of British Insects Vol. 10, part 14.

Snow, K.R. (1990) *Mosquitoes*. Naturalists' Handbook 14. Richmond Publishing, Slough.

Stubbs, A. and Drake, M. (2001) *British Soldierflies and their allies*. BENHS, Reading.

Vertebrates

Croft, P.S. and Roberts, P. (2006) *Guide to British freshwater fishes*. (AIDGAP) FSC Occasional Publication No.110.

Maitland, P.S. (2004) *Keys to the Freshwater fish of Britain and Ireland with notes on their distribution and ecology*. Freshwater Biological Association Scientific Publication No.62.

Inns, H. (2009) *Britain's Reptiles and Amphibians*. Wild Guides, Old Basing, Hampshire.

Roberts, P., Froglife and Ovenden, D. (1999). *Reptiles and amphibians of Britain and Ireland*. (AIDGAP) FSC Occasional Publication No. 55.

Grundy, J. (2007). *Newts in your pond and garden*. Privately published email grun@mac111.freereserve.co.uk.

Techniques

Chalmers, N. and Parker, P. (1986). *The OU project guide. Fieldwork and statistics for ecological projects*. Field Studies Council Occasional Publication No. 9.

Hill, D., Fasham, M., Tucker, G., Shewry, M. and Shaw, P. (2005) *Handbook of biodiversity methods; survey, evaluation and monitoring*. Cambridge, CUP.

New, T.R. (1998). *Invertebrate surveys for conservation*. Oxford, OUP.

McGavin, G. (1997) *Expedition Field Techniques INSECTS and other terrestrial arthropods* www.rgs.org

Sutherland, W.J. (ed) (1996) *Ecological Census Techniques; a handbook*. Cambridge, CUP.

Wheater, C.P. and Cook, P.A. (2003) *Studying invertebrates*. Naturalists Handbook 28. Richmond Publishing, Slough.