

## *Diatom Identification Guide*

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*Diatom - Wikipedia*

*UK river diatom identification guide. This is a web-based flora for UK river diatoms. It contains the images and web pages that underpin the UK river diatom multiaccess key.*

*Freshwater algae identification guide | How to identify ...  
www.researchgate.net*

*Phytoplankton Identification - University of California ...*

*Diatomaceous earth (diatomite) is a collection of diatom shells found in the earth's crust. They are soft, silica-containing sedimentary rocks which are easily crumbled into a fine powder and typically have a particle size of 10 to 200  $\mu$ m.*

*www.researchgate.net*

*Diatoms provide a valuable and well-understood means of biomonitoring – one which is focused at the base of the aquatic foodweb and highly representative of water quality. Although the need for careful microscopic examination and taxonomic identification of species is somewhat demanding, the technique is intended to provide*

*Identifying Marine Phytoplankton | ScienceDirect*

*Guide to Aulacoseira. Thwaites 1848. Credit: Sarah Spaulding ... Aulacoseira is one of the most common freshwater diatom taxa, especially*

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*abundant in plankton of lakes and large rivers. One of the most successful species of freshwater centric diatoms, it is found in great abundance in fossil diatomites.*

*Can anybody provide a key to identify Freshwater Diatoms?*

*This Phytoplankton Identification page is affiliated with CeNCOOS and HABMAP, and is maintained by the Kudela Lab at the University of California Santa Cruz. Details about site history, funding, and sources of information and images can be found [here](#).*

*About - Diatoms of North America*

*Diatom frustules are sculpted in various ways by openings that pass through the silica. Striae, which are lines of pores, are commonly visible under the light microscope. More useful to identify the taxa in this guide is the raphe. This is a feature of some pennate diatoms.*

*Diatoms of North America*

*Identification of diatoms is crucial to measuring the biotic integrity of lakes and streams. Before the Diatoms of North America project, inconsistent taxonomy threatened accurate assessment of biotic condition.*

*Guide to Aulacoseira | Genera - Diatoms of North America*

*Description: Epiphytic diatom, cells grow on a common stalk that is attached to rocks or algae. Often found in low numbers in shallow or turbid environments, both marine and freshwater.*

*Diatom Identification Key - yukonenvirothon*

*Most species are found in marine habitats, but a few taxa occur inland including *Achnanthes coarctata*. Inland species are commonly associated with mosses and lichens in aerophillic habitats. Many common species previously classified in this genus are now recognized as species of *Achnantheidium*, *Psammothidium*, *Planothidium*, and other genera.*

*Diatom Identification Guide*

*Identification guides, original descriptions, citations, autecological information and more for 975 species and growing. We encourage new contributors to submit taxon pages. This project depends on many people to document the diverse diatom flora of streams, rivers, wetlands, lakes, springs, soils, estuaries and coastal zones.*

*Useful links | International Society for Diatom Research*

*Review Diatom Identification protocol, troubleshooting and other methodology information | Contact experts in Diatom Identification to get answers ... this guide would prove useful moreover it ...*

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*kt.ijs.si*

*Identification of freshwater diatoms from live material, Chapman & Hall, London. [ There is a key that covers common freshwater diatoms found in the British Isles ]. There is also a five volume set...*

*63 questions with answers in Diatom Identification ...*

*kt.ijs.si*

*Guide to Achnanthes | Genera - Diatoms of North America*

*Identifying Marine Phytoplankton is an accurate and authoritative guide to the identification of marine diatoms and dinoflagellates, meant to be used with tools as simple as a light microscope. The book compiles the latest taxonomic names, an extensive bibliography (referencing historical as well as up-to-date literature), synthesis and criteria in one indispensable source.*

*Identifying Marine Diatoms and Dinoflagellates | ScienceDirect*

*oceandatacenter.ucsc.edu*

*Phytoplankton List*

*Identifying Marine Diatoms and Dinoflagellates is the second identification manual created from the literature developed for the Advanced International Phytoplankton Course. This version, enlarged and modified from the earlier literature, deals with the identification of marine diatoms and dinoflagellates.*

*oceandatacenter.ucsc.edu*

*Identification guide; 1. Choose a type of habit (overall structure). Algae are colonial - cells united in packets, either joined side-to-side, loosely attached, united in common jelly, etc - but not solely joined end-to-end as in a filament.*

*Diatoms | Descriptions of major groups | Manaaki Whenua ...*

*Diatom Identification Key Cyclotella Stephanodiscus Cyclostephanos Rod shaped Disk Shaped Round on a face Yes No Aulacoseira Eurosolenia Yes Yes No Raphe in the middle of the valve No Raphe on one valve Raphe on two valves Raphe complete Raphe small at ends Achnanthes Cocconeis + more Yes Yes Peronia Two long raphe Two short raphe Shape ...*

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