



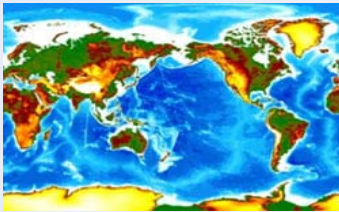
# Taxon Browser



ITIS Integrated Taxonomic Information System

<http://www.itis.usda.gov/>

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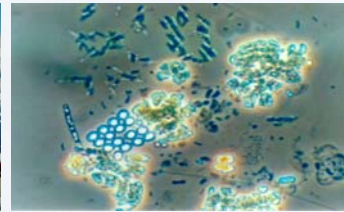
© NERC – taken from the GEBCO digital atlas

The oceans of the world are trawled for information



© BODC

Research vessels gather samples from diverse regions of the globe



© NERC

Samples are processed and analysed



© BODC

Data are permanently archived at the British Oceanographic Data Centre, Liverpool, UK

Taxon Browser search options

- The British Oceanographic Data Centre (BODC) manages vast amounts of physical, chemical and biological information
- BODC archives are described by a dictionary covering over 16 000 types of variables, 11 000 of which originate from taxonomic samples
- The Taxon Browser enables researchers to efficiently search the dictionary for metadata relating to any taxonomic group
- On entering a taxonomic search term, the browser will retrieve all metadata for the term **AND** the metadata for all organisms taxonomically related to the term
- If you search for "birds", you'll also get penguins

• Every row returned has a BODC code, which is a key to the data held at BODC, and a link to the relevant entry in the Integrated Taxonomic Information System (ITIS), an authoritative taxonomic resource

• The BODC Taxon Browser uses the ITIS taxonomic hierarchy as a framework to scan and sort the BODC metadata

• Main features include: automatic checking for synonyms where taxonomic names are not valid; search by ITIS code, BODC code, scientific name and common name; filter options to focus the search

• This search tool is powerful – it goes beyond simply matching the exact term that is entered and so discovers metadata which users may not even realise they are looking for!

SEARCH RESULTS for "diatoms":

BODC code	ITIS tan	Scientific Name	Taxon Class	Parameter	Compartment	Rank
P000M01Z	2286	Bacillariophyta	centric	Abundance	water column	Division
P000M01G	2286	Bacillariophyta	centric 10um	Abundance	water column	Division
J8443018	2286	Bacillariophyta	centric 15um	Abundance	water column	Division
G812550A	2286	Bacillariophyta	centric 20um	Abundance	water column	Division
P000M01H	2286	Bacillariophyta	centric 30um	Abundance	water column	Division
P000M01F	2286	Bacillariophyta	centric 40um	Abundance	water column	Division
Q7801430	2286	Bacillariophyta	centric 4um	Abundance	water column	Division
55248194	2286	Bacillariophyta	centric 60um	Abundance	water column	Division
P000M01J	2286	Bacillariophyta	centric 60um	Abundance	water column	Division
P1930059	2286	Bacillariophyta	centric 70um	Abundance	water column	Division
P000M01A	2286	Bacillariophyta	centric ~30um	Abundance	water column	Division
P000M01B	2286	Bacillariophyta	centric ~30um	Abundance	water column	Division
P000M01C	2286	Bacillariophyta	centric large size	Abundance	water column	Division
...						
P093M02C	2854	Rhizosolenia alata f. indica	not specified	Abundance	water column	Form
C093M02C	2854	Rhizosolenia alata f. indica	not specified	Carbon biomass	water column	Form
P093M02H	2855	Rhizosolenia alata inermis	not specified	Abundance	water column	Form
C093M02H	2855	Rhizosolenia alata inermis	not specified	Carbon biomass	water column	Form
P188M45A	610144	Odontella rhombus f. trigona	not specified	Abundance	water column	Form
C188M45A	610144	Odontella rhombus f. trigona	not specified	Carbon biomass	water column	Form

Rows selected: 1467

Taxon Browser results page showing a sample of 1467 dictionary entries for diatom metadata ranked from "Division" to "Form"

Visit the BODC website at: [www.bodc.ac.uk](http://www.bodc.ac.uk)



British Oceanographic Data Centre

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