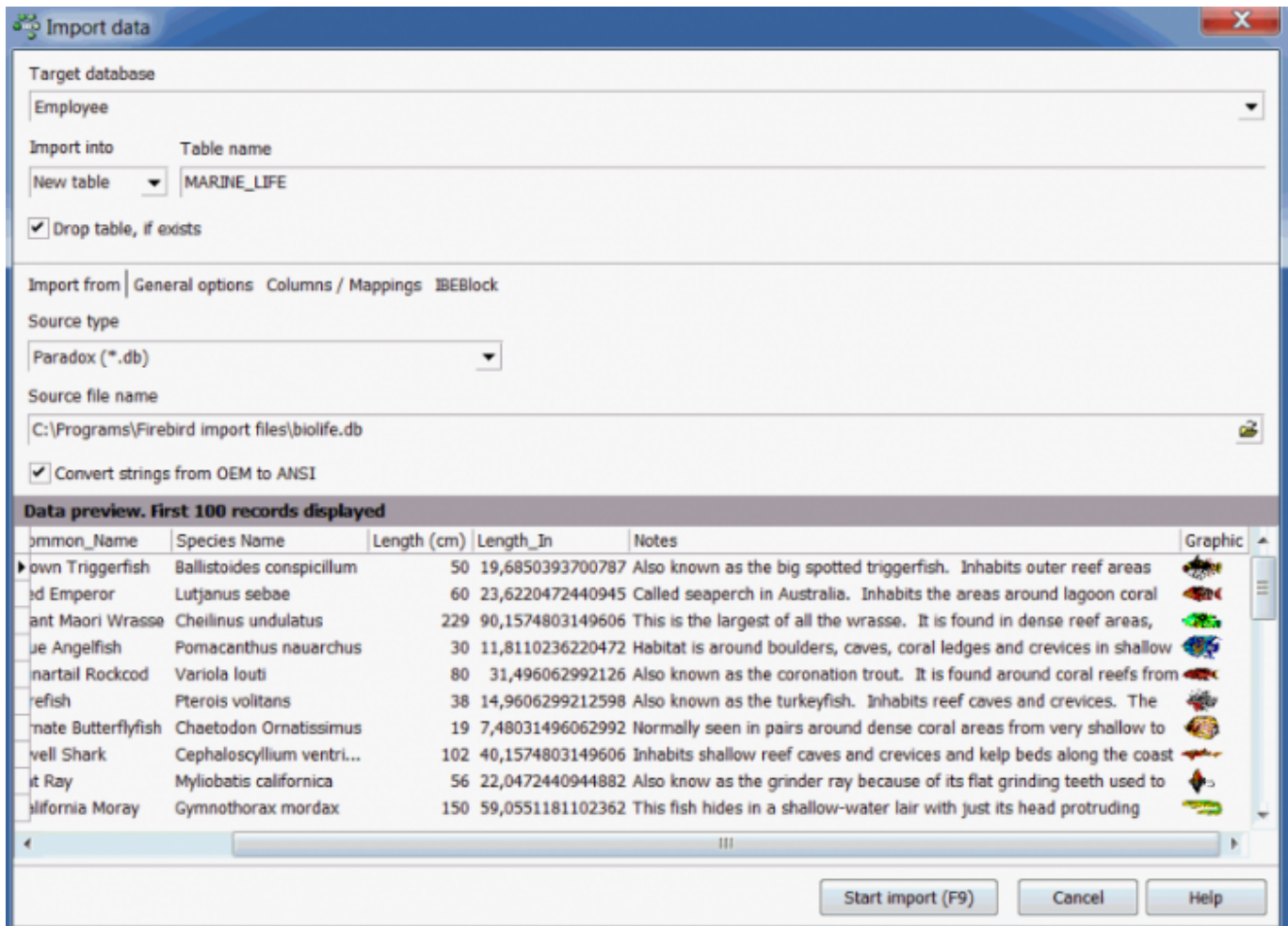


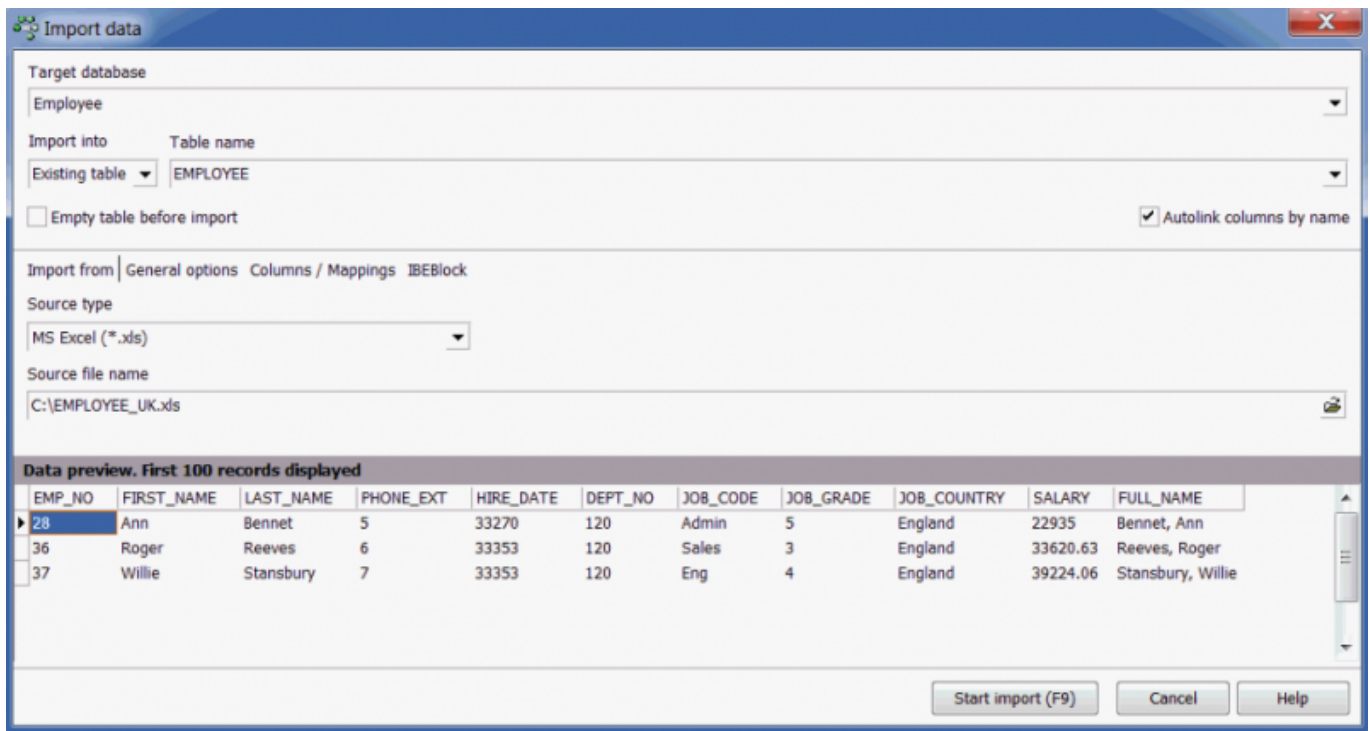
Import data

This wizard can be used to import a wide variety of data sources. (This feature is unfortunately not included in the [free IBExpert Personal Edition](#).)

It can be started from the [IBExpert Tools](#) menu:



First select the target database, where the data should be imported to. Then specify whether the data should be added to an *existing table*, selecting the table name from the drop-down list on the right, or to a *new table*, specifying the new table name in the field to the right. There is even the option to import into an *updatable view*, assuming that updatable views exist in the selected database. When selecting into an existing table, the checkbox option on the right, *Autolink columns by name* may be used to autolink source and destination columns by their names:



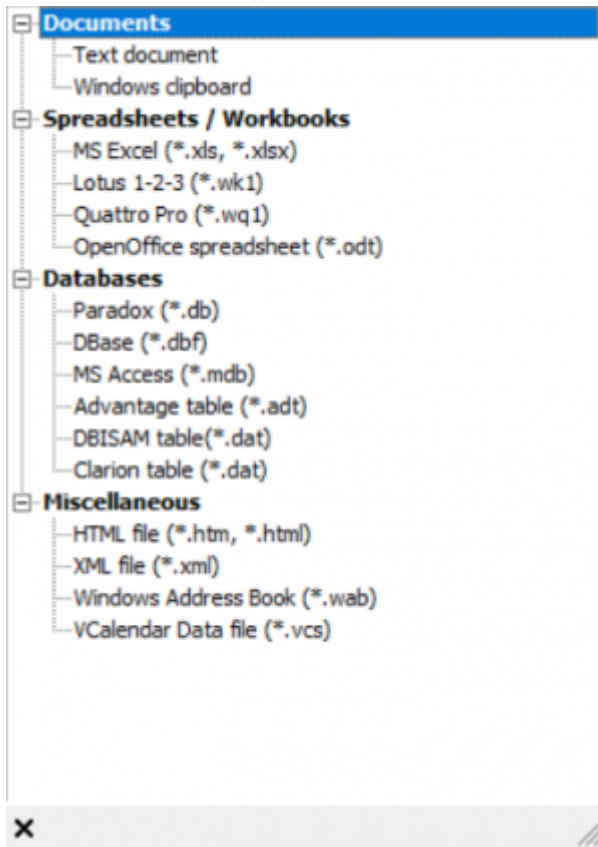
Only check the *Empty table before import* option if you are really sure that any data existing in the specified table is really no longer needed.

The option *Convert strings from ANSI to UTF8* will be set *ON* automatically when the target database needs data in UTF8 (i.e. the connection charset `UTF8` or `UNICODE_FSS`).

Below this you will find three pages: [Import from](#), [General options](#) and [Columns / Mappings](#), below which you can preview the selected data to be imported.

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Import from



Click the drop-down list below *Source type* to specify the file format of the data to be imported. Options include:

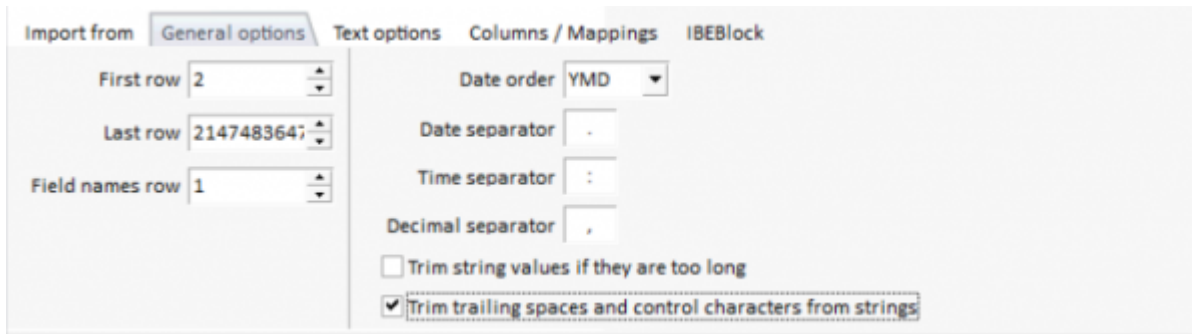
- **Documents**
 - Text document
 - Windows clipboard
- **Spreadsheets / Workbooks**
 - MS Excel (*.xls, *.xlsx)
 - Lotus 1-2-3 (*.wk1)
 - Quattro Pro (*.wq1)
 - OpenOffice spreadsheet (*.odt)
- **Databases**
 - Paradox (*.db)
 - dBASE (*.dbf)
 - MS Access (*.mdb) (with the added possibility to select table names from the list of available tables.)
 - Advantage table (*.adt)
 - DBISAM table (*.dat)
 - Clarion table (*.dat)
- **Miscellaneous**
 - HTML file (*.htm, *.html)
 - XML file (*.xml)
 - Windows address book (*.wab)
 - VCalendar Data file (*.vcs)

Then select the path, directory and file name of the file to be imported.

File formats not included here can be imported using ODBC access. Please refer to [Import and export using IBExpert](#) for further import options using IBExpert.

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General options



Here you can define which rows are to be imported. Default values start at row 1 and finish at row 2147483647.

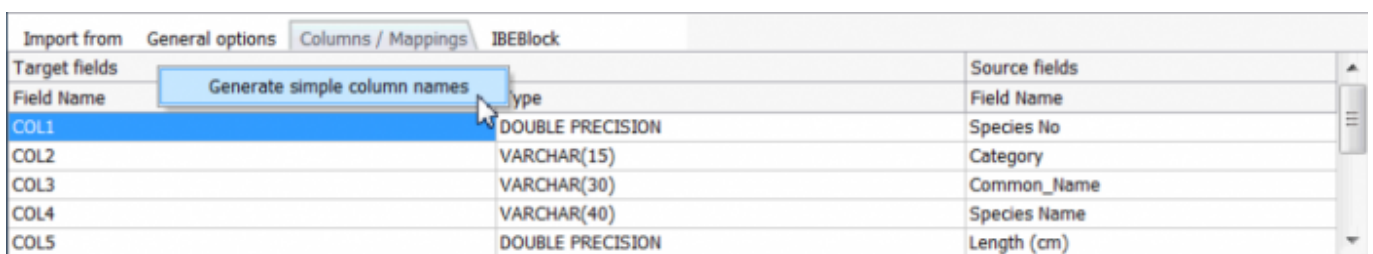
On the right-hand side of this page the *Date order*, *Date separator* and *Time separator* can be specified. The *Decimal separator* option is for data import from text files.

If the *Trim string values if they are too long* option, is enabled, IBExpert will silently truncate strings if they exceed the target field length.

If the *Trim trailing spaces and control characters* option is enabled, IBExpert will remove trailing spaces and control characters from string values.

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Columns / Mappings



Target fields	Field Name	Field type	Source fields	Field Name
COL1		DOUBLE PRECISION	Species No	
COL2		VARCHAR(15)	Category	
COL3		VARCHAR(30)	Common_Name	
COL4		VARCHAR(40)	Species Name	
COL5		DOUBLE PRECISION	Length (cm)	

Here you can alter the *Field name* and *Field type* of the target database fields corresponding to the source database field names if necessary.

It is possible to convert Boolean values to smallint values when importing data into a new table. When there are Boolean columns in the source record set, the *Convert Boolean values to integers* checkbox will be visible on the *Columns/Mappings* page.

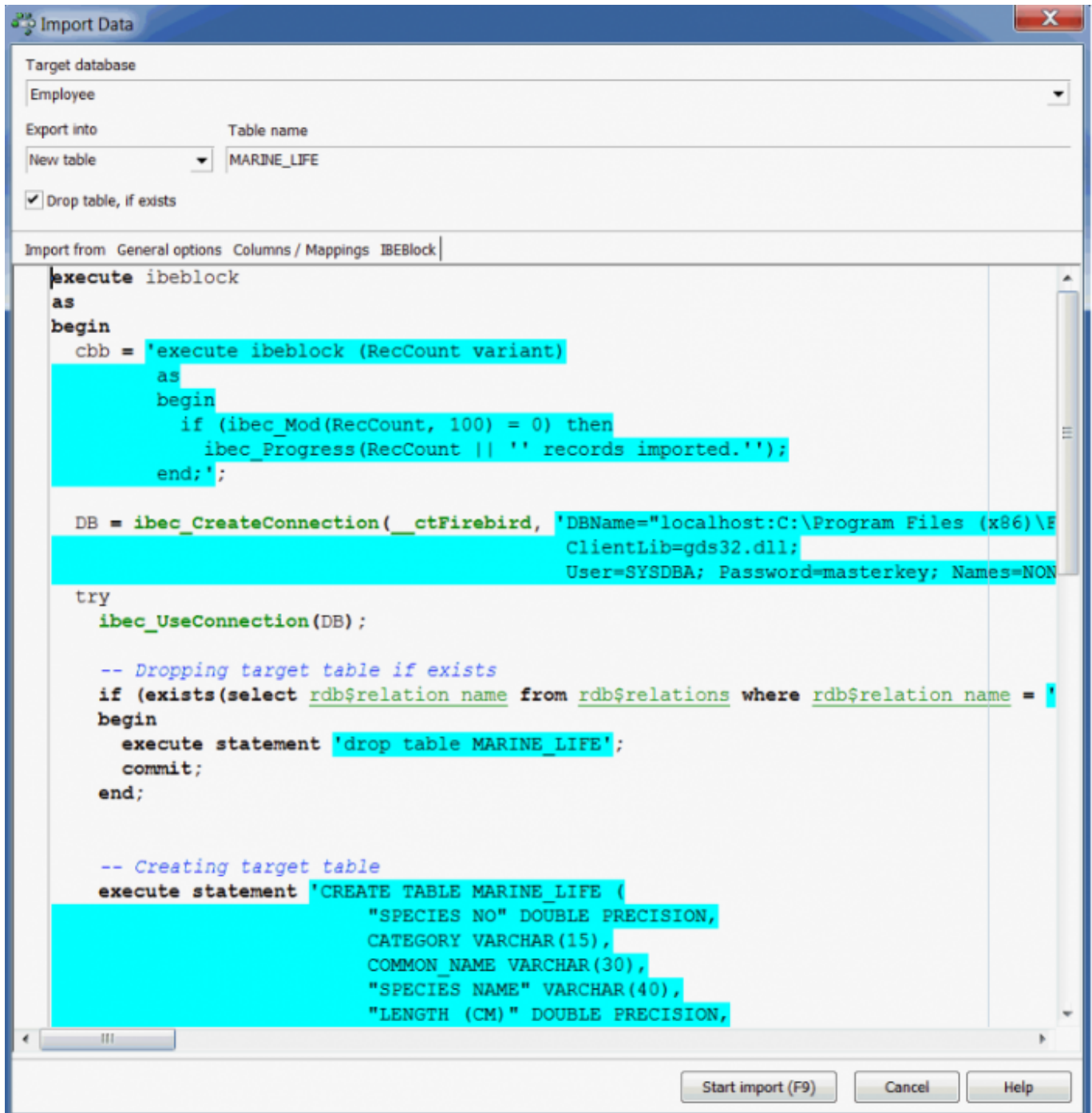
The *Generate simple column names* feature is available in the *Columns / Mappings* context menu

(click on *Target fields* and right click) and generates simple column names like COL1, COL2, ..., COLN for the target table.

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IBEBlock

The IBEBlock page contains automatically generated IBEBlocks for data import.



The screenshot shows the 'Import Data' dialog box with the 'IBEBlock' tab selected. The 'Target database' is set to 'Employee' and the 'Table name' is 'MARINE_LIFE'. The 'Drop table, if exists' checkbox is checked. The SQL code in the main area is as follows:

```

execute ibeblock
as
begin
  cbb = 'execute ibeblock (RecCount variant)
  as
  begin
    if (ibec_Mod(RecCount, 100) = 0) then
      ibec_Progress(RecCount || ' records imported. ');
    end;';

  DB = ibec_CreateConnection( __ctFirebird, 'DBName="localhost:C:\Program Files (x86)\F
  ClientLib=gds32.dll;
  User=SYSDBA; Password=masterkey; Names=NON

try
  ibec_UseConnection(DB);

  -- Dropping target table if exists
  if (exists(select rdb$relation name from rdb$relations where rdb$relation name = '
  begin
    execute statement 'drop table MARINE_LIFE';
    commit;
  end;

  -- Creating target table
  execute statement 'CREATE TABLE MARINE_LIFE (
    "SPECIES NO" DOUBLE PRECISION,
    CATEGORY VARCHAR(15),
    COMMON_NAME VARCHAR(30),
    "SPECIES NAME" VARCHAR(40),
    "LENGTH (CM)" DOUBLE PRECISION,
  
```




















At the bottom of the dialog, there are three buttons: 'Start import (F9)', 'Cancel', and 'Help'.

The composed IBEBlock also contains fields mapping information.

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Data preview

Data preview. First 100 records displayed

Species No	Category	Common Name	Species Name	Length (cm)	Length_In	Notes	Graphic
90020	Triggerfish	Clown Triggerfish	Ballistoides conspicillum	50	19,685039...	Also known as the big spotted triggerfish. Inhabits outer reef	
90030	Snapper	Red Emperor	Lutjanus sebae	60	23,622047...	Called seaperch in Australia. Inhabits the areas around lagoon	
90050	Wrasse	Giant Maori Wrasse	Cheilinus undulatus	229	90,157480...	This is the largest of all the wrasse. It is found in dense reef	
90070	Angelfish	Blue Angelfish	Pomacanthus nauarchus	30	11,811023...	Habitat is around boulders, caves, coral ledges and crevices in	
90080	Cod	Lunartail Rockcod	Variola louti	80	31,496062...	Also known as the coronation trout. It is found around coral	
90090	Scorpionfish	Firefish	Pterois volitans	38	14,960629...	Also known as the turkeyfish. Inhabits reef caves and crevices.	
90100	Butterflyfish	Ornate Butterflyfish	Chaetodon Ornatissimus	19	7,4803149...	Normally seen in pairs around dense coral areas from very	
90110	Shark	Swell Shark	Cephaloscyllium ventriosum	102	40,157480...	Inhabits shallow reef caves and crevices and kelp beds along	
90120	Ray	Bat Ray	Myliobatis californica	56	22,047244...	Also know as the grinder ray because of its flat grinding teeth	
90130	Eel	California Moray	Gymnothorax mordax	150	59,055118...	This fish hides in a shallow-water lair with just its head	
90140	Cod	Lingcod	Ophiodon elongatus	150	59,055118...	Widely found from near the shore to very deep waters. Young	
90150	Sculpin	Cabezon	Scorpaenichthys marmora...	99	38,976377...	Often called the great marbled sculpin. Found over rocky or	
90160	Spadefish	Atlantic Spadefish	Chaetodiperus faber	90	35,433070...	Found in mid-water areas around reefs, wrecks and bridges.	
90170	Shark	Nurse Shark	Ginglymostoma cirratum	400	157,48031...	Frequently found under rock or reef ledges. Carnivorous with	
90180	Ray	Spotted Eagle Ray	Aetobatus narinari	200	78,740157...	Found in reef areas and sandy bottoms. The spotted eagle ray	
90190	Snapper	Yellowtail Snapper	Ocyurus chrysurus	75	29,527559...	Prefers to congregate in loose groups in the open water above	
90200	Parrotfish	Redband Parrotfish	Sparisoma Aurofrenatum	28	11,023622...	Inhabits reef areas. The parrotfish's teeth are fused together,	
90210	Barracuda	Great Barracuda	Sphyrnaea barracuda	150	59,055118...	Young barracuda live in inshore seagrass beds, while adults	
90220	Grunt	French Grunt	Haemulon flavolineatum	30	11,811023...	The French grunt drifts in large groups in sheltered reef areas	

In the lower part of the window you can preview the data sets to be imported, checking field names and contents before finally starting the import ([F9]).

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Permanent link: <http://ibexpert.com/docu/doku.php?id=02-ibexpert:02-08-ibexpert-tools-menu:import-data>

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