

NWSJEMS Information Access

A project data system at CMAR

Pamela Brodie

Data Centre

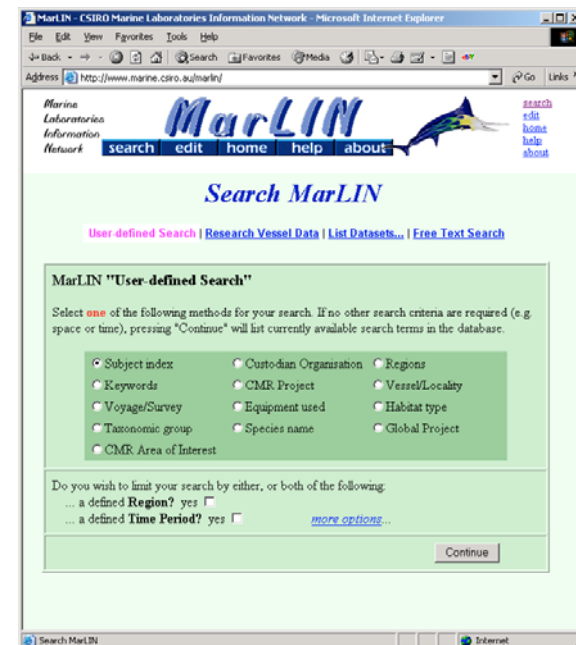
CSIRO Marine and Atmospheric Research



Information tools - metadata

MarLIN and the DEP Data Management System were used to establish and share information about the data gathered for use in the various Study projects.

- Metadata published nationally through ASDD
- content conformed to the ANZLIC Version 2 Core metadata elements (Feb 2001) and ISO19115
- extra Environment Australia (EA) fields
- other fields for use with CMAR datasets enhance the search functions of the tool. They include Divisional activities, research projects, research platforms, voyages, defined regions, Codes for Australian Aquatic Biota (CAAB) species codes and descriptive subject categories based on the Aquatic Sciences and Fisheries Information System.





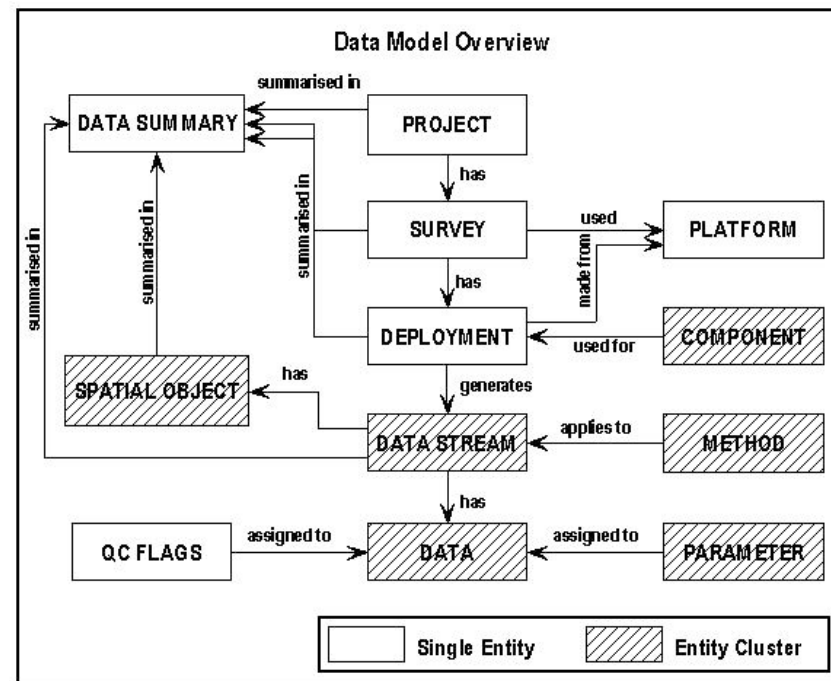
Information tools – Oracle repository

The Data Warehouse was established as the repository for observational datasets and to reference GIS data and model outputs.

It is spatially enabled, associates security codes and quality flags with the data.

The schema includes several data types -

- Underway survey data
- CTD operations
- Hydrology
- Moored instruments
- Fisheries catch data
- Image references
- Model data
- GIS data



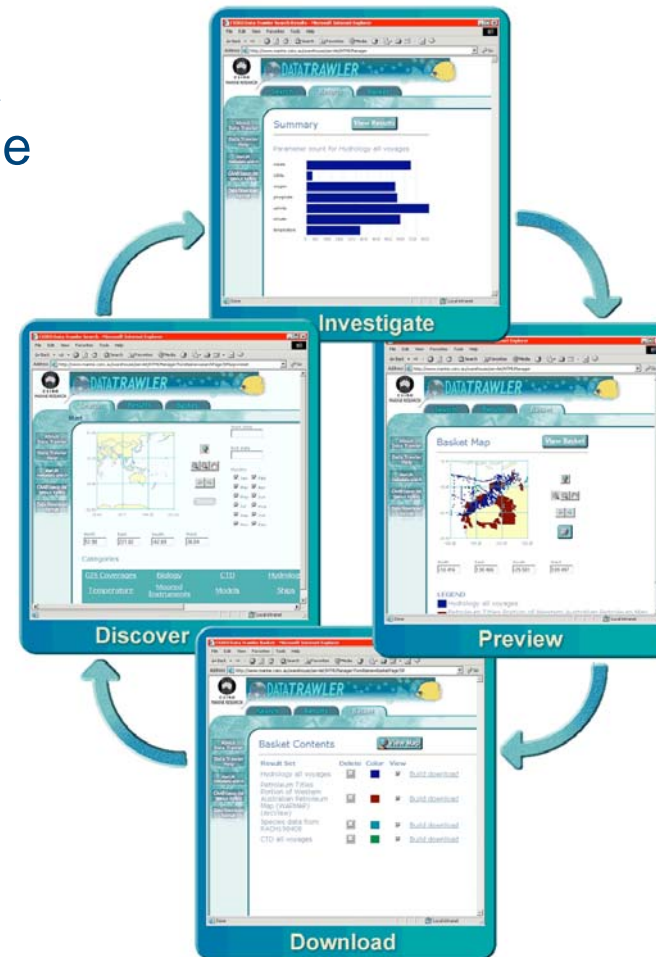


Information tools - the Data Trawler

<http://www.marine.csiro.au/warehouse/jsp/loginpage.jsp>

Through the Data Trawler, the data in the Warehouse is available on the web to scientists, and to the public.

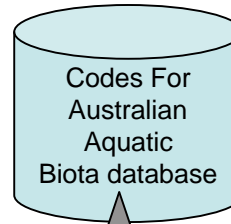
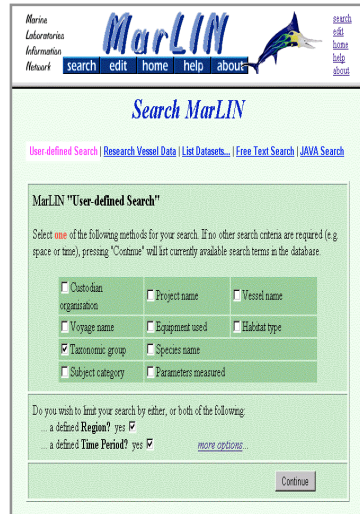
- discover
- investigate
- preview
- download



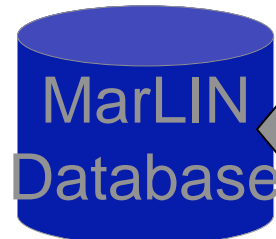


Information tools – web interfaces

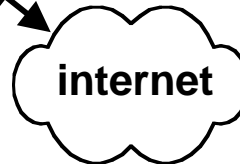
Web enabled metadata database client interface - MarLIN



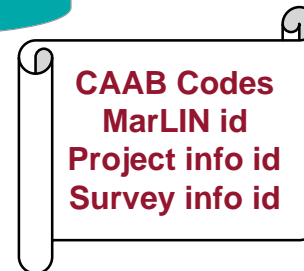
Web enabled warehouse database client interface - Data Trawler



CSIRO network



Early implementation of data distribution technologies suggested at the time by the Office of Spatial Data Management





Use your browser for the Trawler login

CSIRO Data Trawler Login - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail News RSS

Address http://www.marine.csiro.au/warehouse/jsp/loginpage.jsp Go Links

CSIRO DATATRAWLER

Search Results Basket

About Data Trawler
Data Trawler Help
MarLIN metadata search
CAAB taxon list (genus index)
Data Download format

Welcome to the
CSIRO Marine Data Trawler
Enter your e-mail address and password to log in.

E-mail address

Password

Accept Decline

DATA LICENSING AGREEMENT WITH CSIRO (Division of Marine Research)

Unless otherwise advised, data available from this application will be subject to a

We recommend Internet Explorer for viewing of this site

Using the Back and Forward browser buttons in Netscape on this site will cause the map applet to display unpredictable behavior and can render the site unusable.

Done Internet



Trawler search page

CSIRO Data Trawler Search - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address <http://www.marine.csiro.au/warehouse/servlet/HTMLManager?formName=SearchPageJSP?top=reset> Go Links

CSIRO **DATATRAWLER**

Search Results Basket

Start

About Data Trawler
North West Shelf JEMS project
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CAAB taxon list (genus index)
Data Download format

51.98
13.75
-24.46
-42.68

36.04 97.7 159.36 221.02

Start date
End date

Months
 Jan Feb
 Mar Apr
 May Jun
 Jul Aug
 Sep Oct
 Nov Dec

Search

North: 51.98 East: 221.02 South: -62.69 West: 36.04

Categories

GIS Coverages Biology CTD Hydrology
Temperature Moored Instruments Models Ships

Local intranet



Select CTD data - zoom in on NWS

CSIRO Data Trawler Search - Microsoft Internet Explorer

File Edit View Favorites Tools Help

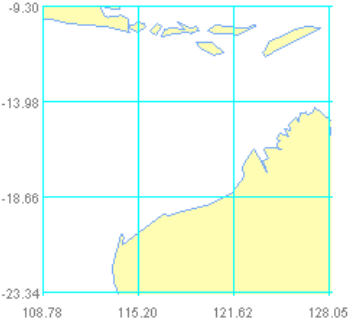
Address <http://www.marine.csiro.au/warehouse/servlet/HTMLManager> Go

CSIRO **DATATRAWLER**

Search Results Basket

Start > CTD

About Data Trawler
Data Trawler Help
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Start date:
End date:

Months:
 Jan Feb
 Mar Apr
 May Jun
 Jul Aug
 Sep Oct
 Nov Dec

North: East: South: West:

Search Parameters

Voyages

- SELECT ALL -
- SELECT NONE -
- FR200203 (Franklin)
- FR200108 (Franklin)
- FR200107 (Franklin)
- FR200106 (Franklin)
- FR200105 (Franklin)
- FR200104 (Franklin)
- FR200102 (Franklin)

CTD Parameters

- All parameters
- Fluorescence
- Optical Back Scatter
- Oxygen
- Photosynthetically Active Radiation
- PH
- Salinity

Applet map started Internet



Trawler search result

The screenshot shows a Microsoft Internet Explorer window displaying the 'CSIRO Data Trawler Search Results' page. The browser's address bar shows the URL: <http://www.marine.csiro.au/warehouse/servlet/HTMLManager?formName=searchingPageJSP>. The page features a header with the 'DATATRAWLER' logo and navigation tabs for 'Search', 'Results', and 'Basket'. A left sidebar contains links to 'About Data Trawler', 'North West Shelf JEMS project', 'MarLIN metadata search', 'CAAB taxon list (genus index)', and 'Data Download format'. The main content area, titled 'Search Results', displays a table of search results.

Result Set	Add to Basket	View Summary
CTD all voyages		
Species data from all voyages		
Hydrology all voyages		



Trawler basket list

CSIRO Data Trawler Basket - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address <http://www.marine.csiro.au/warehouse/servlet/HTMLManager?formName=BasketPageJSP> Go Links

CSIRO DATATRAWLER

Search Results Basket

About Data Trawler

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Data Download format

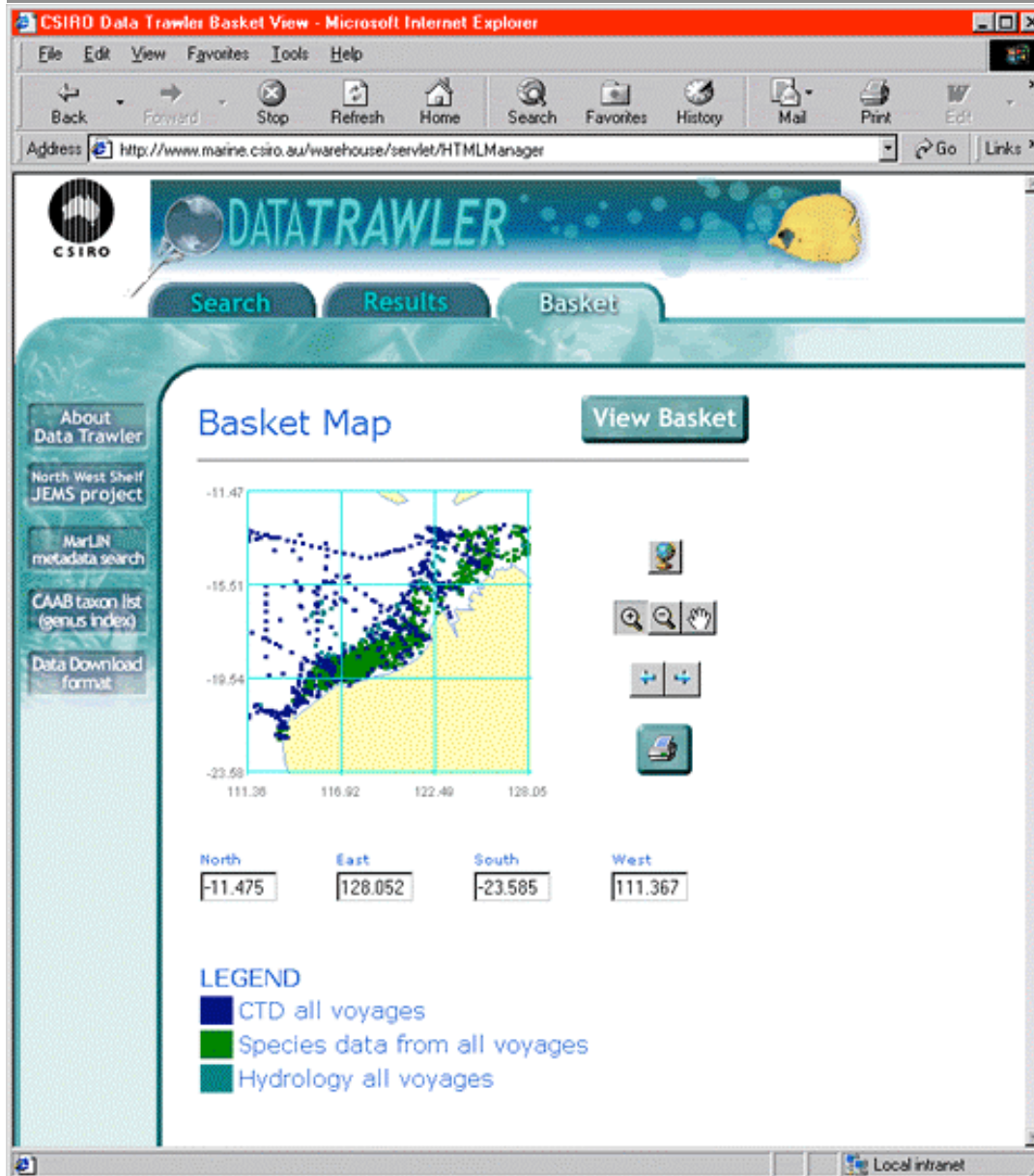
Basket Contents [View Map](#)

Result Set	Delete	Color	View
CTD all voyages	<input type="checkbox"/>	■	<input checked="" type="checkbox"/> Build download
Species data from all voyages	<input type="checkbox"/>	■	<input checked="" type="checkbox"/> Build download
Hydrology all voyages	<input type="checkbox"/>	■	<input checked="" type="checkbox"/> Build download

Local intranet



Trawler basket





Trawler basket list – build download

CSIRO Data Trawler Basket - Microsoft Internet Explorer

Address: http://www.marine.csiro.au/warehouse/servlet/HTMLManager?formName=BasketPageJSP

DATATRAWLER

Search Results Basket

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Basket Contents [View Map](#)

Result Set	Delete	Color	View
CTD all voyages	<input type="checkbox"/>		<input checked="" type="checkbox"/> Build download
Species data from all voyages	<input type="checkbox"/>		<input checked="" type="checkbox"/> Build download
Hydrology all voyages	<input type="checkbox"/>		<input checked="" type="checkbox"/> Build download

Local intranet




Email notification of data to download

CSIRO Data Trawler download request - Message (HTML)

Reply Reply to All Forward Print Forward X Undo Redo ?

File Edit View Insert Format Actions Help

From: trawler@marine.csiro.au Sent: Mon 01-Dec-03 1:43 PM
To: Brodie, Pamela (Marine, Hobart)
Cc:
Subject: CSIRO Data Trawler download request



Your download request has been processed, select the [Trawler Download Page](#) link, this will direct you to your Data Trawler download page.

ResultSet

Hydrology FR199104 [Trawler Download Page](#)

You have 3 hours before your download will be removed.

Thank-you for using the Data Trawler.