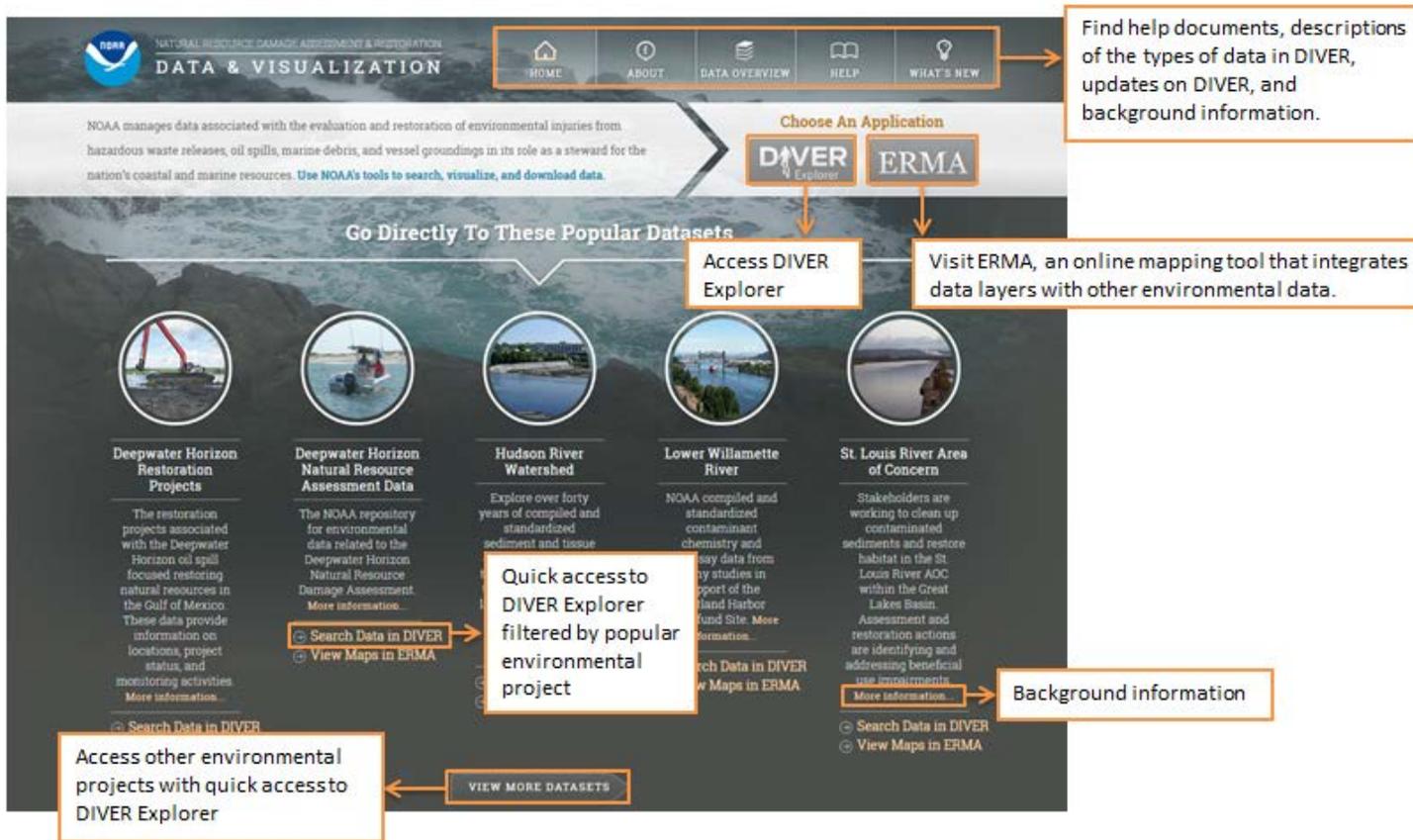


NOAA DIVER Explorer Basics

DIVER (Data Integration, Visualization, Exploration, and Reporting) is a NOAA platform for the storage and maintenance for NRDA-related response, assessment, and restoration data, as well as historical data collected from hazardous sites around the country. The public can access these data using the DIVER Explorer query tool, which allows users to search, filter, and download data of interest.

Overview of NOAA Natural Resource Damage Assessment & Restoration: Data and Visualization Website



The screenshot shows the NOAA DIVER Explorer website interface. At the top, there is a navigation menu with links for HOME, ABOUT, DATA OVERVIEW, HELP, and WHAT'S NEW. Below this is a 'Choose An Application' section with buttons for DIVER Explorer and ERMA. A central section titled 'Go Directly To These Popular Datasets' features five circular icons representing different environmental projects: Deepwater Horizon Restoration Projects, Deepwater Horizon Natural Resource Assessment Data, Hudson River Watershed, Lower Willamette River, and St. Louis River Area of Concern. Each icon has a corresponding text box below it providing a brief description of the project. At the bottom, there is a 'VIEW MORE DATASETS' button. Several callout boxes with arrows point to specific elements on the page:

- Find help documents, descriptions of the types of data in DIVER, updates on DIVER, and background information.** (Points to the HELP and WHAT'S NEW menu items)
- Access DIVER Explorer** (Points to the DIVER Explorer button)
- Visit ERMA, an online mapping tool that integrates data layers with other environmental data.** (Points to the ERMA button)
- Quick access to DIVER Explorer filtered by popular environmental project** (Points to the 'Search Data in DIVER' and 'View Maps in ERMA' links under the Hudson River Watershed project)
- Background information** (Points to the 'More information...' link under the St. Louis River Area of Concern project)
- Access other environmental projects with quick access to DIVER Explorer** (Points to the 'VIEW MORE DATASETS' button)

Access DIVER Explorer from the logo at the top of the homepage, or scroll down to select a DIVER Explorer region.

VIEW MORE DATASETS

EXPLORE DATA IN DIVER



Data Integration Visualization Exploration and Reporting (**DIVER**) Explorer allows users to search and download a broad array of **environmental characterization** and **project planning data** specific to geographic regions or activities.



SELECT A REGION

Select a region to access DIVER Explorer filtered by the specified geographic region

Access ERMA from the logo at the top of the homepage, or scroll down to select an ERMA region.

VIEW MAPS IN ERMA





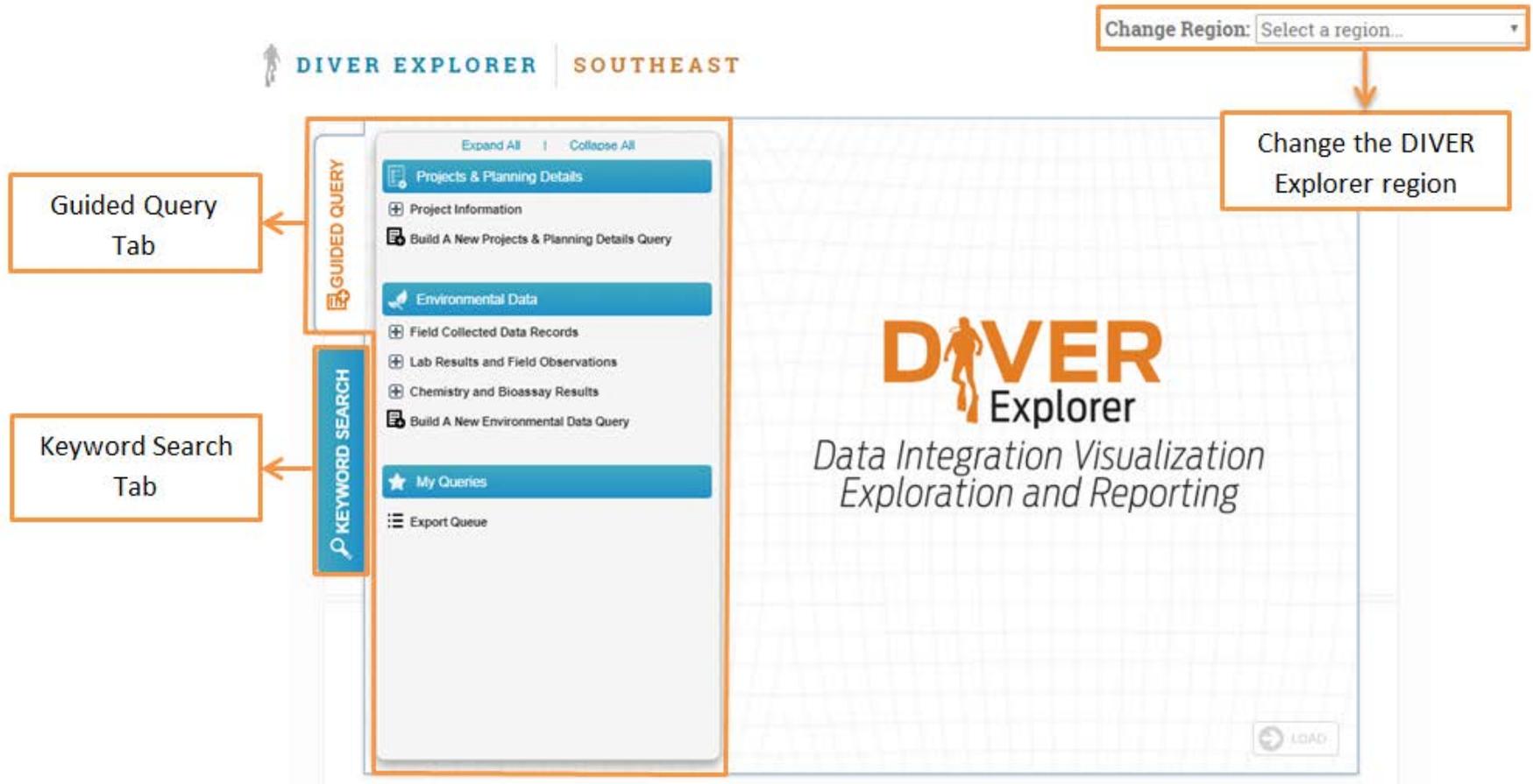
The Environmental Response Management Application (**ERMA**) is an online geographic information system (GIS) and visualization tool that allows you to **view** response, assessment, and restoration **mapping layers in context** with other environmental information.

[Visit ERMA](#)

Select a region to visit ERMA. View GIS environmental data for a given region

Using DIVER Explorer: Understanding the Start Screen

- On the homepage, click  to launch DIVER Explorer. Select the Guided Query Tab or the Keyword Search Tab.



The screenshot shows the DIVER Explorer interface for the Southeast region. At the top right, there is a "Change Region:" dropdown menu with "Select a region..." as the current selection. Below this, the main header reads "DIVER EXPLORER | SOUTHEAST". The interface is divided into two main sections: a left sidebar and a main content area. The sidebar contains two tabs: "GUIDED QUERY" and "KEYWORD SEARCH". The "GUIDED QUERY" tab is active, showing a list of options: "Projects & Planning Details", "Project Information", "Build A New Projects & Planning Details Query", "Environmental Data", "Field Collected Data Records", "Lab Results and Field Observations", "Chemistry and Bioassay Results", and "Build A New Environmental Data Query". Below these are "My Queries" and "Export Queue". The main content area features the "DIVER Explorer" logo and the tagline "Data Integration Visualization Exploration and Reporting". A "LOAD" button is visible in the bottom right corner. Annotations with orange boxes and arrows point to the "GUIDED QUERY" and "KEYWORD SEARCH" tabs, the "Change Region:" dropdown, and the "LOAD" button.

- On the Guided Query Tab select from Projects & Planning Details or Environmental Data queries.

Change Region:

DIVER EXPLORER | SOUTHEAST

Expand All | Collapse All

GUIDED QUERY

- Projects & Planning Details
 - Project Information
 - Build A New Projects & Planning Details Query
- Environmental Data**
 - Field Collected Data Records
 - Lab Results and Field Observations
 - Chemistry and Bioassay Results
 - Build A New Environmental Data Query
- My Queries
- Export Queue

KEYWORD SEARCH

Find logistical, financial, and organization information specific to projects, including site-specific restoration efforts.

Find detailed field and lab-based environmental characterization data obtained from the files accessible in the Environmental Data category.

After exporting data, download it from the Export Queue.

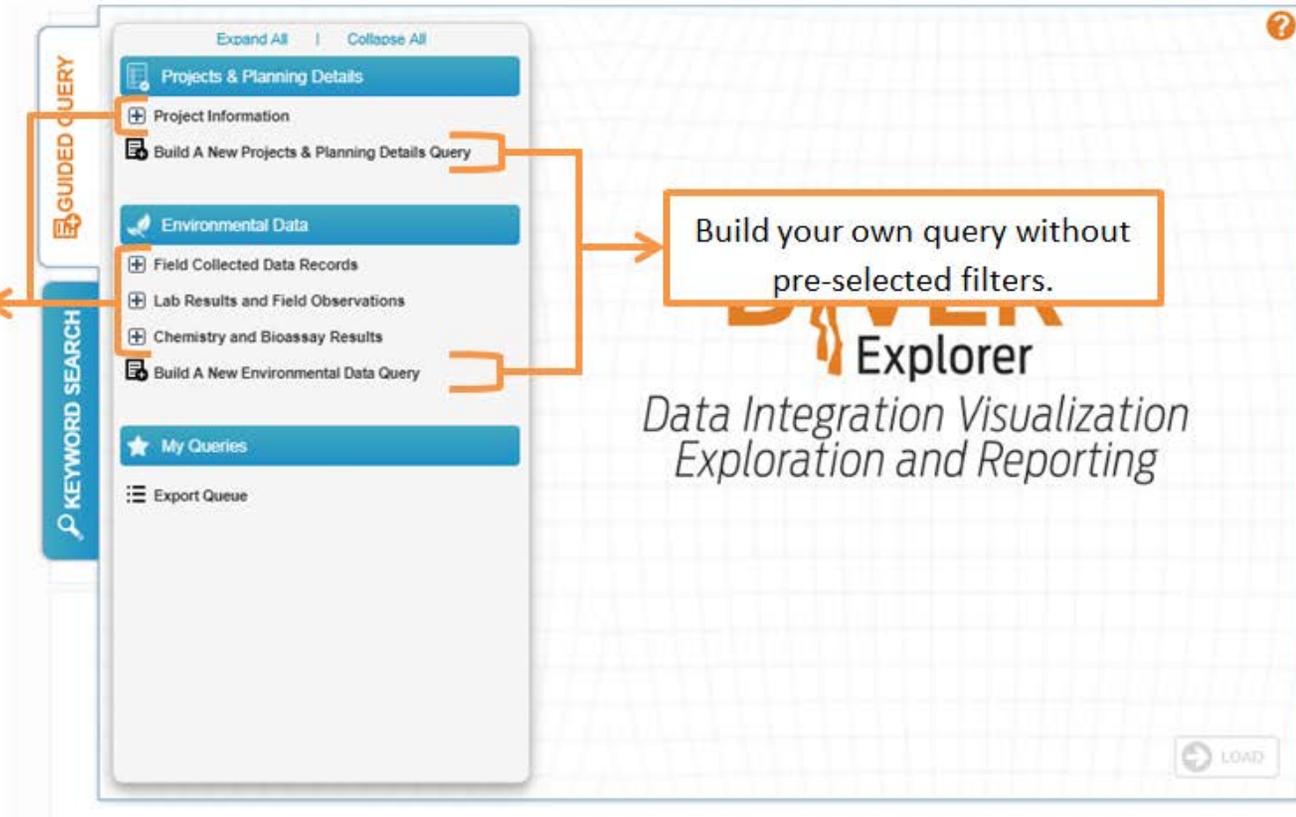
Data Integration Visualization Exploration and Reporting

LOAD

Change Region:

 **DIVER EXPLORER** | **SOUTHEAST**

Access guided queries with pre-selected filters that limit data to the area of interest.



Expand All | Collapse All

GUIDED QUERY

- Projects & Planning Details
 - Project Information
 - Build A New Projects & Planning Details Query
- Environmental Data
 - Field Collected Data Records
 - Lab Results and Field Observations
 - Chemistry and Bioassay Results
 - Build A New Environmental Data Query

KEYWORD SEARCH

- My Queries
- Export Queue

Build your own query without pre-selected filters.

DIVER Explorer
Data Integration Visualization Exploration and Reporting

LOAD

- Some queries provide the opportunity to add additional filters and categories (shown below) before loading the query.

Change Region:

DIVER EXPLORER | **SOUTHEAST**

Expand All | Collapse All

GUIDED QUERY

- Projects & Planning Details
 - Project Information
 - Build A New Projects & Planning Details Query
- Environmental Data**
 - Field Collected Data Records
 - Lab Results and Field Observations
 - Chemistry and Bioassay Results
 - Station Locations
 - Bioassay Results
 - Single Contaminant Results
 - Sediment**
 - Tissue
 - Oil
 - Water
 - Multiple Contaminant Results
 - Calculate Total PAHs
 - Compare to Guidelines
 - Build A New Environmental Data Query

Chemistry and Bioassay Results » Single Contaminant Results » Sediment

For sediment samples, create a table with one row for each sample. Data qualifiers, method, and other analyte-specific information are available.

Choose a Depth Category: Surface Sediment Subsurface Sediment
 Both

Include Rejected Results: (Qualifier Code = R) Include Exclude

Include results for samples with non-standard QM reporting units (NSR)? Include Exclude

Filter By: and: and:
[before selecting an Analysis]

Some queries allow for additional selections in this area.

Make selections and click "LOAD."

- The Keyword Search tab allows users to enter a search term and obtain a list of DIVER data categories and fields matching that concept. If “run” is selected the query will run and the next screen will be the results page. If “edit query” is selected the next screen will be additional data filters which are described on the following pages.

Change Region:

DIVER EXPLORER | SOUTHEAST

GUIDED QUERY

Search Data

Filter Results

Field:

- Collection Form
- Collection Study Name
- Collection Workplan
- Common Name: Family
- Common Name: Genus
- Common Name: Order
- Common Name: Species

Value:

Data Category:

Environmental Data

- Bioassay
- Photographs
- Samples
- Telemetry
- Visual Observations

Keyword Search

Search for DIVER data using keywords! Filter and sort the search results, then choose to run or edit a data query directly from the table.

Search Term: 'dolphin' Results Returned: 80

Field	Value	Data Category	Data Rows
Collection Form	Bottensee Dolphin Tracking Summary	Visual Observations	480
Collection Form	Dolphin Captured Individual: Samples Tags and Body Condition	Visual Observations	<input type="button" value="Run Query"/>
Collection Form	Dolphin Captured Individual: Times and Measurements	Visual Observations	<input checked="" type="checkbox"/> Edit Query
Collection Form	Dolphin Health Assessment 2013 - Captured/Released Individual	Visual Observations	66
Collection Form	Dolphin Health Assessment 2013 - In-Water Times and Initial Assessment	Visual Observations	66
Collection Form	Dolphin Health Assessment 2013 - Lesion Descriptions	Visual Observations	19
Collection Form	Dolphin Health Assessment 2013 - Morphometrics	Visual Observations	66
Collection Form	Dolphin Health Assessment 2013 - Oral Evaluation	Visual Observations	132
Collection Form	Dolphin Health Assessment 2013 - Physical Exam	Visual Observations	65
Collection Form	Dolphin Health Assessment 2013 - Respiration Rate	Visual Observations	2,504
Collection Form	Dolphin Health Assessment 2013 - Set Information	Visual Observations	66
Collection Form	Dolphin Health Assessment 2013 - Skin Assessment	Visual Observations	65
Collection Form	Dolphin Health Assessment 2013 - Ultrasound Evaluation	Visual Observations	66
Collection	Dolphin Health Assessment 2014 -	Visual	32

KEYWORD SEARCH

Enter search term

Additional filter options

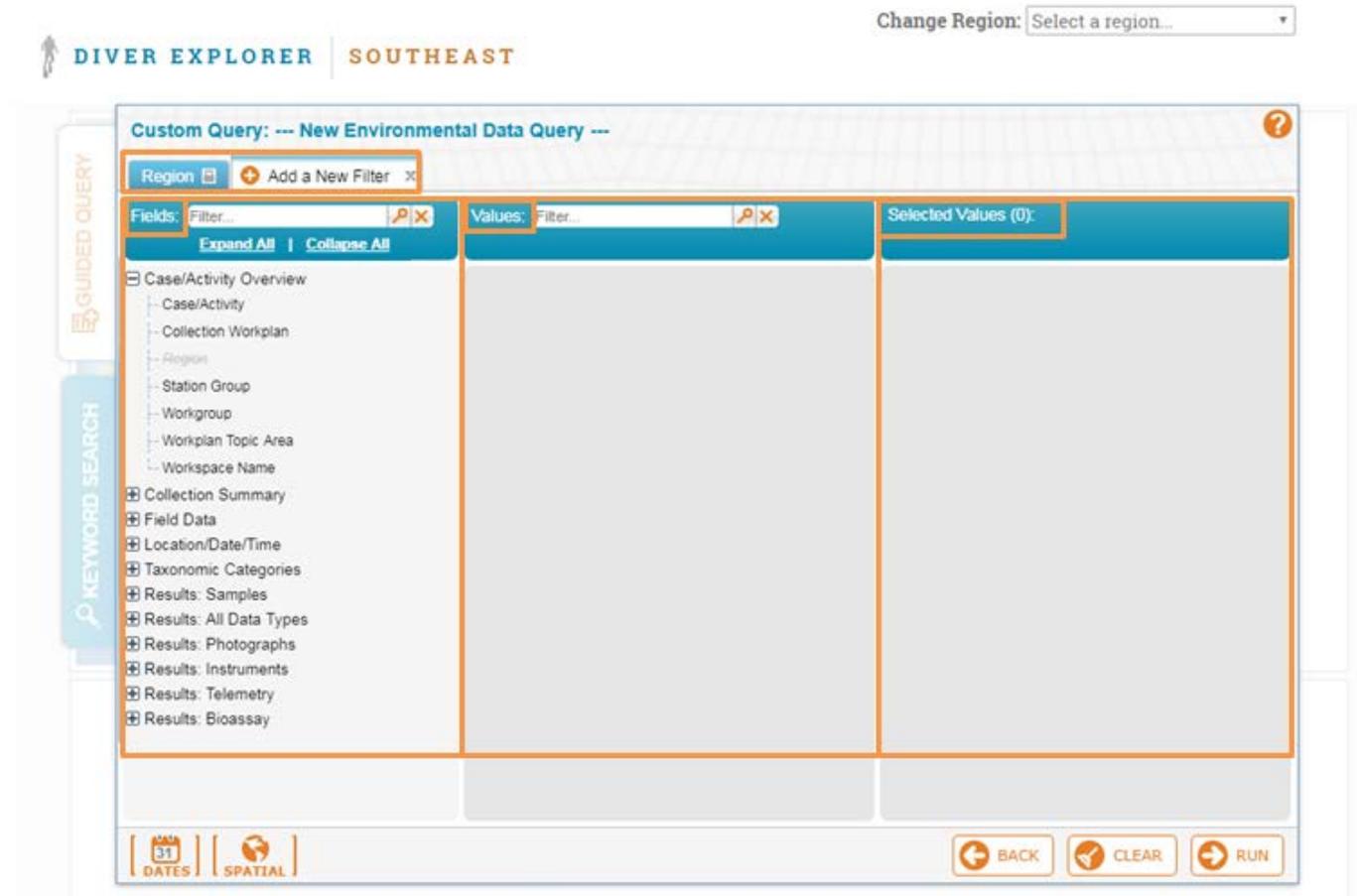
Click to run or edit query

Using DIVER Explorer: Simple Filter Guide

This section assumes that you have chosen to build your own Environmental Data query. However, the guidance below applies broadly to all types of queries.

There are three main components of the filtering interface: the Field List, the Values List, and the Selected Values List.

1. The Field list includes all fields that you may select in order to narrow the results of their query. These fields are grouped into logical categories. Note that selecting a field specific to a single data category such as samples (i.e., “Results: Samples”) will restrict the fields and results to only information within that data category.



The screenshot displays the DIVER Explorer interface for the Southeast region. At the top right, there is a "Change Region:" dropdown menu set to "Select a region...". The main interface is titled "DIVER EXPLORER | SOUTHEAST" and shows a "Custom Query: --- New Environmental Data Query ---".

The interface is divided into three main sections:

- Region:** A dropdown menu with a plus icon and "Add a New Filter" button.
- Fields:** A list of fields with a "Filter..." input and a search icon. Below the list are "Expand All" and "Collapse All" buttons.
- Values:** A "Filter..." input with a search icon.
- Selected Values (0):** A section for displaying selected values.

The "Fields" list is categorized as follows:

- Case/Activity Overview
 - Case/Activity
 - Collection Workplan
 - Region
 - Station Group
 - Workgroup
 - Workplan Topic Area
 - Workspace Name
- Collection Summary
- Field Data
- Location/Date/Time
- Taxonomic Categories
- Results: Samples
- Results: All Data Types
- Results: Photographs
- Results: Instruments
- Results: Telemetry
- Results: Bioassay

At the bottom of the interface, there are three buttons: "DATES" (with a calendar icon), "SPATIAL" (with a globe icon), and "BACK", "CLEAR", "RUN" (with arrows).

- Once you have selected a field to query, the Values list is populated, including all available values for that field. You may choose to filter on one or many of these values, and once chosen they appear on the selected values list.

Change Region:

DIVER EXPLORER | **SOUTHEAST**

Custom Query: --- New Environmental Data Query ---

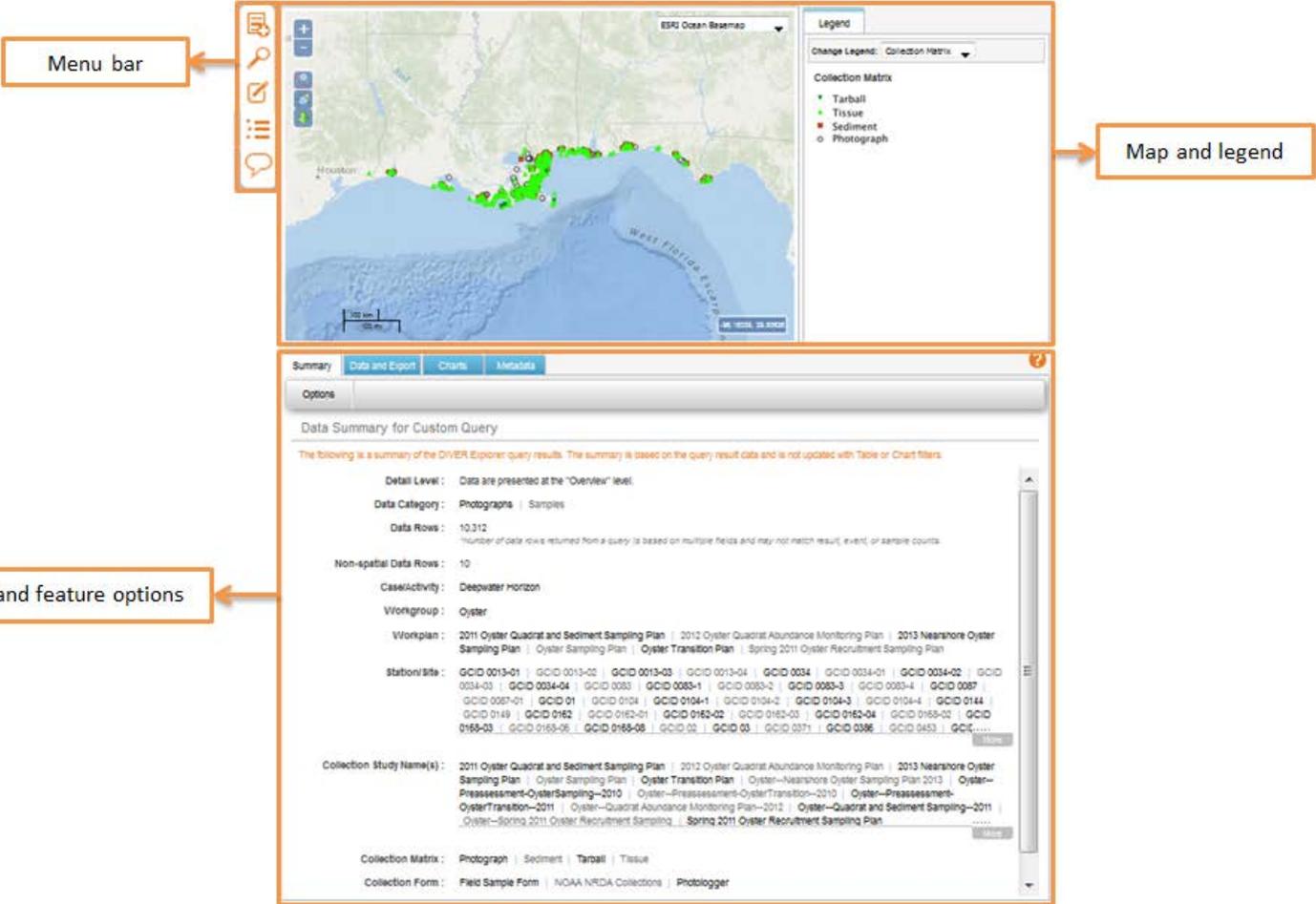
Region ✕ + Add a New Filter ✕

Fields: <input type="text" value="Filter..."/>	Values: <input type="text" value="Filter..."/>	Selected Values (1):
<p>Expand All Collapse All</p> <ul style="list-style-type: none"> [-] Case/Activity Overview <ul style="list-style-type: none"> - Case/Activity - Collection Workplan - Region - Station Group - Workgroup <li style="background-color: #e67e22; color: white;">- Workplan Topic Area - Workspace Name [+] Collection Summary [+] Field Data [+] Location/Date/Time [+] Taxonomic Categories [+] Results: Samples [+] Results: All Data Types [+] Results: Photographs [+] Results: Instruments [+] Results: Telemetry [+] Results: Bioassay 	<ul style="list-style-type: none"> Bird Deep Benthic Fish General Chemistry Mammal Marine Mammal Not Defined <li style="background-color: #e67e22; color: white;">✓ Oyster Response Collected Data Sargassum Sea Turtle 	<div style="border: 1px solid #e67e22; padding: 5px; margin-bottom: 5px;">Oyster</div> <div style="background-color: #ccc; height: 150px; width: 100%;"></div>

DATES
 SPATIAL
← BACK
↻ CLEAR
→ RUN

Using DIVER Explorer: Understanding the Results

1. After running a query, you can interact with the data in numerous ways. The results screen presents a Menu Bar, Map, Summary and several additional tabs. See the “Understanding the Results” PDF for more details.



The screenshot displays the DIVER Explorer interface with three main components highlighted by callouts:

- Menu bar:** Located on the left side of the map area, it contains icons for home, search, layers, and other navigation functions.
- Map and legend:** The central map area shows a coastal region with several green data points. To the right is a legend titled "Legend" with a "Change Legend" dropdown set to "Collection Matrix". The legend lists four categories: Tarball (green triangle), Tissue (red square), Sediment (blue circle), and Photograph (orange circle).
- Summary and feature options:** Below the map is a "Summary" panel with tabs for "Summary", "Data and Export", "Charts", and "Metadata". The "Summary" tab is active, showing "Options" and a "Data Summary for Custom Query". It includes a note: "The following is a summary of the DIVER Explorer query results. The summary is based on the query result data and is not updated with Table or Chart filters." Below this, it lists:
 - Detail Level:** Data are presented at the "Overview" level.
 - Data Category:** Photographs | Samples
 - Data Rows:** 10,312 (with a sub-note: "Number of data rows returned from a query is based on multiple fields and may not match result, event, or sample counts")
 - Non-spatial Data Rows:** 10
 - Case/activity:** Deepwater horizon
 - Workgroup:** Oyster
 - Workplan:** 2011 Oyster Quadrat and Sediment Sampling Plan | 2012 Oyster Quadrat Abundance Monitoring Plan | 2013 Nearshore Oyster Sampling Plan | Oyster Sampling Plan | Oyster Transition Plan | Spring 2011 Oyster Recruitment Sampling Plan
 - Station/site:** GCID 0013-01 | GCID 0013-02 | GCID 0013-03 | GCID 0013-04 | GCID 0034 | GCID 0034-01 | GCID 0034-02 | GCID 0034-03 | GCID 0034-04 | GCID 0033 | GCID 0033-1 | GCID 0033-2 | GCID 0033-3 | GCID 0033-4 | GCID 0037 | GCID 0037-01 | GCID 0104 | GCID 0104-1 | GCID 0104-2 | GCID 0104-3 | GCID 0104-4 | GCID 0144 | GCID 0148 | GCID 0162 | GCID 0162-01 | GCID 0162-02 | GCID 0162-03 | GCID 0162-04 | GCID 0162-05 | GCID 0162-06 | GCID 0162-07 | GCID 0162-08 | GCID 02 | GCID 03 | GCID 0371 | GCID 0396 | GCID 0453 | GCI...
 - Collection Study Name(s):** 2011 Oyster Quadrat and Sediment Sampling Plan | 2012 Oyster Quadrat Abundance Monitoring Plan | 2013 Nearshore Oyster Sampling Plan | Oyster Sampling Plan | Oyster Transition Plan | Oyster-Nearshore Oyster Sampling Plan 2013 | Oyster-Prassessment-OysterSampling-2010 | Oyster-Prassessment-OysterTransition-2010 | Oyster-Prassessment-OysterTransition-2011 | Oyster-Quadrat Abundance Monitoring Plan-2012 | Oyster-Quadrat and Sediment Sampling-2011 | Oyster-Spring 2011 Oyster Recruitment Sampling | Spring 2011 Oyster Recruitment Sampling Plan
 - Collection Matrix:** Photograph | Sediment | Tarball | Tissue
 - Collection Form:** Field Sample Form | NOAA NRDA Collections | Photlogger