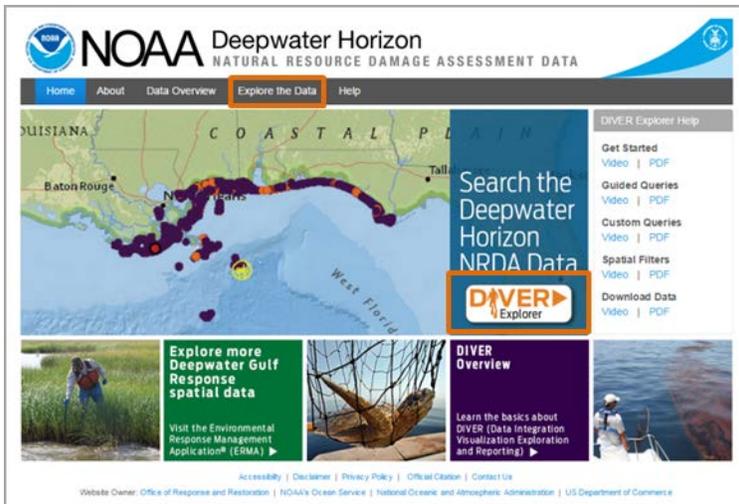


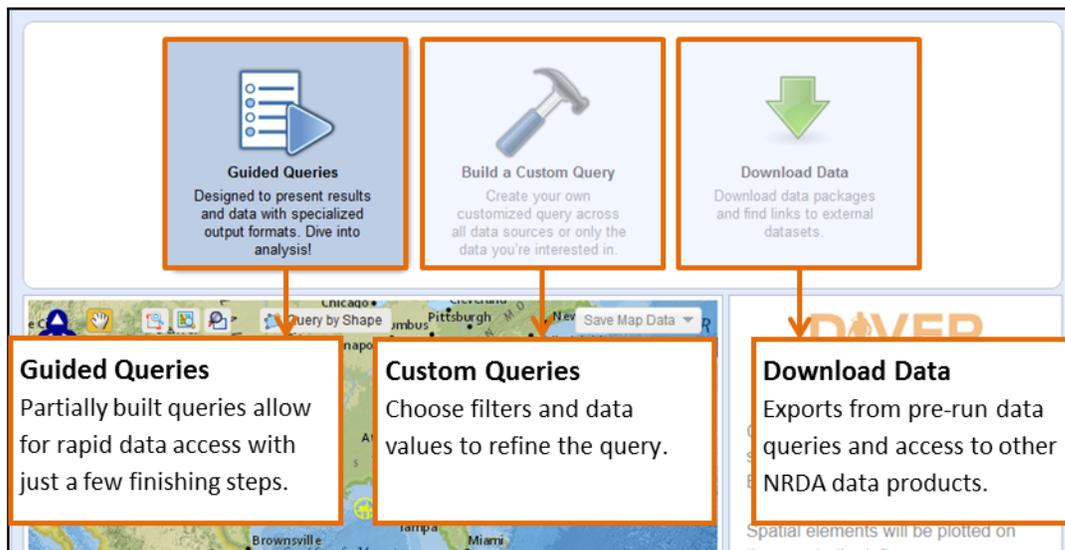
DIVER Explorer – Getting Started

Following the 2010 Deepwater Horizon Oil Spill, NOAA and other Trustees collected large volumes of data as part of their Natural Resource Damage Assessment effort. In an effort to make data readily accessible, NOAA created a data warehouse, which the public can query using DIVER Explorer (Data Integration Visualization Exploration and Reporting). Sample data, visual observations, photographs, telemetry, and additional data types are currently available. Follow these steps to access DIVER Explorer:

1. Click the **DIVER Explorer** logo or **Explore the Data** in the navigation bar to access DIVER Explorer from the homepage.



2. DIVER Explorer contains three entry points to access data. To start, select one of the options below:



- With both the **Guided Queries** and **Custom Queries** options, results display on a map with a summary below. By clicking various tabs and selecting display results options, users can explore and filter the query result. The data may also be downloaded for desktop use by making a selection in the export tab and then downloading the file from the **Export Queue**. DIVER Explorer records are currently limited to approximately 40,000 records displayed on the map and 500,000 records in the export. For queries of approximately 40,000 – 80,000 records there is reduced functionality in the map, tables, and graphs, however the full query is available to download. Returns of more than approximately 80,000 records must be downloaded directly.

For more detail on using Guided Queries and Custom Queries, please see the additional training materials.

The screenshot displays the DIVER Explorer interface. At the top, the 'Query Filters' section shows: Analysis Category = 'Contaminant Chemistry', QM Matrix = 'Sediment', Result Type = 'Result', Depth Category = 'Surface Sediment', Analysis Status = 'Results Available', QM Reporting Standard = 'Standard Reporting Units', Source Type = 'DWH Trustee NRDA', Analysis = 'Anthracene', and Collection Matrix = 'Sediment'. Below this is a map of the Gulf of Mexico region with data points plotted. A legend on the right indicates concentration ranges for Anthracene (PPB): Below Detection Limit (DL < 0.723), Below Detection Limit (0.723 ≤ Concentration < 1.96), Concentration < 0.723, 0.723 ≤ Concentration < 1.96, and Concentration ≥ 1.96. The 'Export Queue' section shows a 'Click to Download: Export 1' button. Below the map, there are 'Summary', 'Table', 'Charts', 'Metadata', and 'Export' tabs, with an arrow pointing to 'Dashboard Tabs'. The 'Summary' tab is active, displaying a 'Data Summary for Contaminant Chemistry Results » Single Contaminant Results » Sediment'. The summary includes: Records Returned: 4,620; Non-spatial Records: 9; Number of Unique Sample IDs: 4,140; Workgroup: Deep Water Benthic | Fish | Nearshore Sediment and Water | Other Tasking Agency | Oyster | SAV | Shallow Water Coral | Shoreline | Water Column; Workplan: 2011 Oyster Quadrat and Sediment Sampling Plan | CWV-Marsh Response Cleanup Areas-February 2011 | Coastal Wetland Vegetation Plan Fall 2010 | Coastal Wetland Vegetation Plan Fall 2012 | Coastal Wetland Vegetation Plan Spring 2011 | Cooperative Research Cruise | Deep Benthic Camera Trap | Fish Kill Investigation Plan | Freshwater/Brackish Investigation | HOS Davis Water Chemistry September 2010 | HOS Sweetwater Sediment/Bottom Water Jul-Sep 2011 | HOS Sweetwater Sediment/Bottom Water Mar-Apr 2011 | Hardbottom Plan | Mesophotic Reef Plan | NRDA Coop...; and a list of Station/Site IDs: 1,01 | 100 | 1001 | 1003 | 1005 | 1015 | 1016 | 1017 | 1028 | 1041 | 1045 | 1048 | 1090 | 1094 | 1095 | 1101 | 1109 | 1166 | 1167 | 1169 | 1171 | 1173 | 1178 | 1179 | 1181 | 1183 | 1192 | 1193 | 1197 | 12 | 120 | 1216 | 122 | 1245 | 1246 | 1267 | 1272 | 1280 | 129 | 13 | 1308 | 1326 | 1328 | 1353 | 1356 | 1357 | 1358 | 136 | 1361 | 1362 | 1363 | 1364 | 1365 | 1366 | 1367 | 1378 | 1386 | 1390 | 141 | 1441 | 1445 | 1464 | 1478 | 1491 | 1499 | 15 | 150 | 151 | 1544 | 1565 | 1567 | 1576 | 159 | 1612 | 1623 | 1706 | ...

- The **Download Data** option provides links to other NRDA data sources and data packages that can be downloaded directly to the desktop without using the query interface. Data packages contain data, metadata, and study notes (if available).

The screenshot displays the DIVER Explorer interface. At the top, there are three main navigation buttons: 'Guided Queries' (with a play icon), 'Build a Custom Query' (with a hammer icon), and 'Download Data' (with a green downward arrow icon). The 'Download Data' button is highlighted with an orange border. Below these buttons is a map of the Gulf of Mexico region, showing the United States, Mexico, and parts of Central America. The map includes various geographical features like the Appalachian Mountains, Hatteras Plain, and the Gulf of Mexico. A search bar at the top of the map area contains the text 'Query by Shape'. To the right of the map, there is a text box with the DIVER Explorer logo and instructions: 'Click one of the buttons above to start querying data in DIVER Explorer. Spatial elements will be plotted on the map to the left. Data Summary, Table and Charts will appear in the area below.' At the bottom of the interface, there is a status bar that says 'Export Queue You have 0 pending jobs in the Export Queue' and a large empty area with the text 'Query results will appear here.'