Arctic Spill Response Database Query Tool User Guide

Version 1.03



Emergency PreventionPreparedness and Response



A Working Group of the Arctic Council



Acknowledgements

The Emergency Prevention Preparedness and Response Arctic Spill Response Database was funded by the U.S. Department of the Interior, Bureau of Safety and Environmental Enforcement, Oil Spill Preparedness Division, Sterling, VA, Purchase Order Number E15PD00148.

The database was developed under the direction of the Arctic Spill Response Database Working Group whose members are:

Ole-Kristian Bjerkemo, *Senior Advisor*, Norwegian Coastal Administration

Lynn Denis, *National Asset Class Manager*, Environmental Response, Canadian Coast Guard

George Graettinger, National Oceanic and Atmospheric Administration, USA

Heli Haapasaari, *Senior Advisor*, Pollution Response Unit, Finnish Environment Institute

Olafur A. Jonsson, *Director*, Environment Agency of Iceland

Steve Pearson, Bureau of Safety and Environmental Enforcement, USA

Bernt Stedt, Swedish Coast Guard (Kustbevakningen)

Nils Westergaard, Joint Arctic Command Denmark

This document has been reviewed by BSEE and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Bureau, nor does mention of the trade names or commercial products constitute endorsement or recommendation for use.

This User Guide was created by:

DPRA Incorporated www.dpra.com

Table of Contents

Welcome	1
About the Query Tool	2
Filtering the Data	4
Using a Keyword	4
Browse Data Contents	7
Apply Filters	8
Filtering Equipment by the Vessel	9
Apply Vessel Filters	9
Filter Vessel Equipment	11
Reorganizing Grid Columns	13
Exporting the Data	
Table of Figures	
Figure 1- Arctic Spill Response Database Query Tool Main Interface	2
Figure 2- Number of Records for an Equipment Category in	
Parenthesis	2
Figure 3- Expanding the Filter Panel	3
Figure 4- Information and Help Buttons	3
Figure 5- Search Data Field	4
0	
Figure 6- Using the Keyword Search	5
_	
Figure 6- Using the Keyword Search	6
Figure 6- Using the Keyword Search Figure 7- Click the Arrow Key to View Data	6 6
Figure 6- Using the Keyword Search	6 7 7
Figure 6- Using the Keyword Search	6 7 7
Figure 6- Using the Keyword Search	6 7 7 8
Figure 6- Using the Keyword Search	677810
Figure 6- Using the Keyword Search Figure 7- Click the Arrow Key to View Data Figure 8- Clear Filters Figure 9- Click Arrow to Expand Equipment Category View Figure 10- Browsing the Equipment Category Data Figure 11- Applying Individual Filters Figure 12- Apply Individual Vessel Filters Figure 13- Expanding the Vessel Equipment Category Figure 14- Filter Vessel Equipment	6 7 8 10 11
Figure 6- Using the Keyword Search	678101111
Figure 6- Using the Keyword Search Figure 7- Click the Arrow Key to View Data Figure 8- Clear Filters Figure 9- Click Arrow to Expand Equipment Category View Figure 10- Browsing the Equipment Category Data Figure 11- Applying Individual Filters Figure 12- Apply Individual Vessel Filters Figure 13- Expanding the Vessel Equipment Category Figure 14- Filter Vessel Equipment Figure 15- Equipment Data for the Selected Vessel Figure 16- Clear Vessel Filter Data	678101111
Figure 6- Using the Keyword Search	6781011111212
Figure 6- Using the Keyword Search Figure 7- Click the Arrow Key to View Data Figure 8- Clear Filters Figure 9- Click Arrow to Expand Equipment Category View Figure 10- Browsing the Equipment Category Data Figure 11- Applying Individual Filters Figure 12- Apply Individual Vessel Filters Figure 13- Expanding the Vessel Equipment Category Figure 14- Filter Vessel Equipment Figure 15- Equipment Data for the Selected Vessel Figure 16- Clear Vessel Filter Data	6781011121213

Figure 20- Export Data	. 15
Figure 21- Selecting a System of Measure	. 15
Figure 22- Save As Dialog Box	. 16
Figure 23- The Exported Data in Excel Format	. 17
Figure 24- The Exported Data in Excel Format with Multiple	
Equipment Categories and Country Filters	. 17

Welcome

The U.S. Department of the Interior (DOI), Bureau of Safety and Environmental Enforcement (BSEE) recognizes the importance of reliable data in responding quickly and efficiently to oil spills in the Arctic Region. The Arctic Council's requirements were complex with eight members, each with a wide array of equipment, vast geographical reach, disparate languages, and varying levels of user experience accessing databases. The extent of damage resulting from an oil spill can be mitigated when availability of resources is known, logistics channels are clear, and contingency plans are in place.

The Arctic Spill Response Database Query Tool was designed to meet those challenges.



About the Query Tool

When the Arctic Spill Response Database Query Tool loads it populates with all existing records. The list of **Equipment Categories** displays in a panel on the right. The **Filter** panel on the left side contains the possible filter options. At the bottom of the Filter panel is a display of the number of records found (Figure 1).

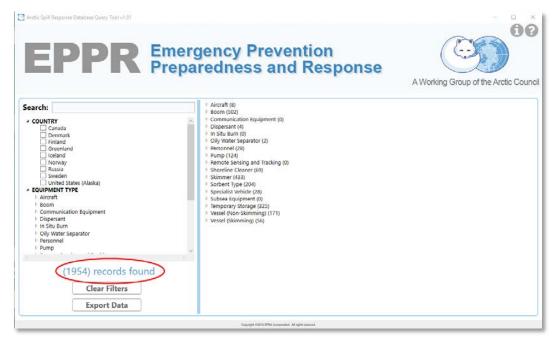


Figure 1- Arctic Spill Response Database Query Tool Main Interface

Next to each Equipment Category listing is a parenthesis with the number of records contained within the Equipment Category (Figure 2).

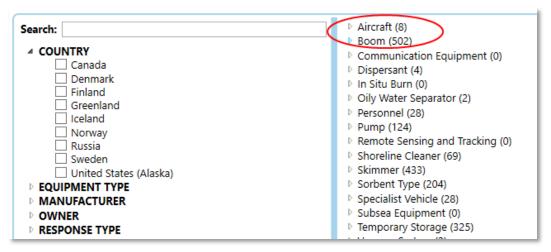


Figure 2- Number of Records for an Equipment Category in Parenthesis

The Filter panel can be expanded by clicking the cursor on the blue vertical line, holding the left mouse button and dragging the line to the right. Drag the line to the left to decrease the Filter panel size (Figure 3).

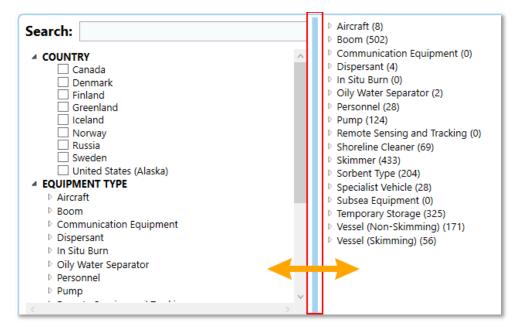


Figure 3- Expanding the Filter Panel

Click the **Information** (?) button in the upper right corner to view information about the database (Figure 4). The User Manual can be accessed by clicking the **Help** (?) button.



Figure 4- Information and Help Buttons

Filtering the Data

There are three primary **Search** options with the Arctic Spill Response Database Query Tool:

- 1. Keyword
- 2. Browse Data Contents
- 3. Apply Filters

Using a Keyword

The **Keyword** filter in the Filter panel enables you to type in a keyword and the data will filter to match the entered data.

1. Locate the **Search** text field in the Filter panel on the left (Figure 5).



Figure 5- Search Data Field

- 2. In the **Search** text field type in the desired keyword; partial keywords are also accepted.
- 3. The records displayed in the Equipment Categories on the right immediately begin to auto filter as you type. The number of records in each Equipment Category diminishes as the filter is applied and record count in the parenthesis updates. The (Total) Records Found updates to represent the correct count for the filtered data (Figure 6).

Note: Keywords apply to any data field within the Equipment Category, not just the name or description field. For example, a search on the keyword "ocean" could return records with the word ocean in a street address or a description field.

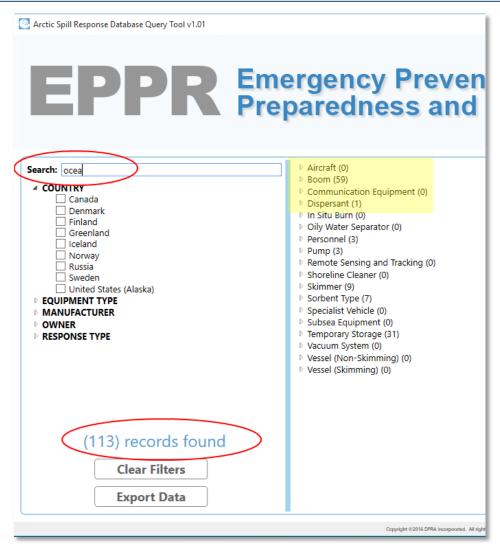


Figure 6- Using the Keyword Search

4. Click the **Arrow** icon next to the Equipment Category to view the records associated with the keyword (Figure 7).

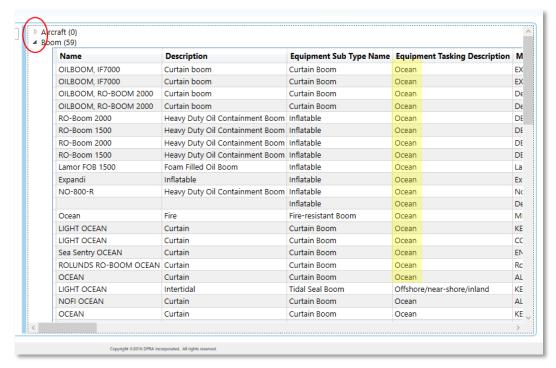


Figure 7- Click the Arrow Key to View Data

5. Click the **Clear Filters** button at the bottom of the Filter panel to remove the Keyword filter (Figure 8).

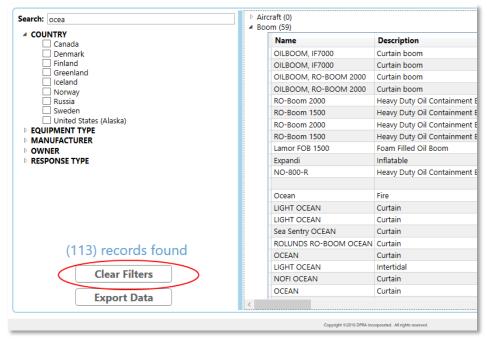


Figure 8- Clear Filters

Browse Data Contents

Without any filters, all Equipment records are available for viewing in the **Equipment Category** panel on the right. The Total number of available records is recorded at the bottom of the Filter panel.

1. Click the **Arrow** icon left of the Equipment Category heading to expand the view to include a grid with the equipment details (Figure 9).

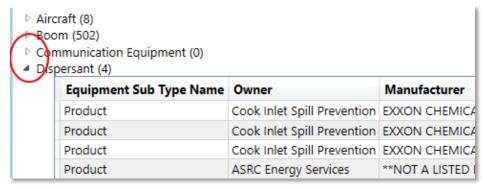


Figure 9- Click Arrow to Expand Equipment Category View

- 2. A grid displays beneath the Category heading. Each row represents equipment within that Category. The grid data columns are unique to each Equipment Category with the exception of a *Name* column which is universal to all categories (Figure 10).
- 3. If necessary, use the scroll bars at the bottom and right of the panel to view all columns and data in the grid (Figure 10).

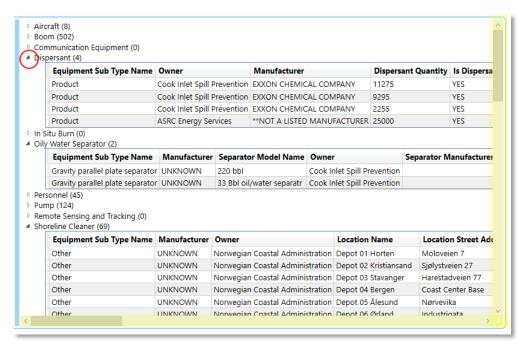


Figure 10- Browsing the Equipment Category Data

Apply Filters

Filters can be applied to the records to help pinpoint the desired data and reduce the time needed to locate a specific record. The Filter panel is on the left and contains filters grouped by **Country**, **Equipment Type**, **Manufacturer**, **Owner**, and **Response Type** (Figure 11).

- 1. If necessary, click on the **Arrow** icon next to the Filter heading to expand the list of available filters within the group.
- 2. Click in the box next to the Filter name to insert a checkmark.
- The Equipment Category panel immediately applies the filter and updates the record count for each Equipment Category. The (Total) Records Found updates to represent the correct count for the filtered data.
- 4. Add additional filters as desired. Multiple filters can be applied from within a group and filters can be applied from multiple headings. If necessary, use the scroll bars at the bottom and right of the Filter panel to view all the filter options.
- 5. Click on the Equipment Category listing on the right to view the filtered data.
- 6. Click the **Clear Filters** button at the bottom of the Filter panel to remove all filters applied to the data.

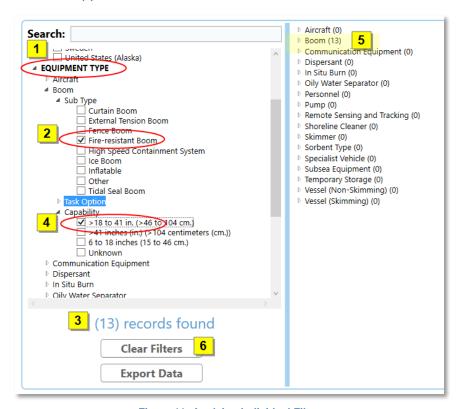


Figure 11- Applying Individual Filters

Filtering Equipment by the Vessel

You have the option to filter equipment that is located on a vessel.

Apply Vessel Filters

Filters can be applied to the Vessel records to help pinpoint the desired data and reduce the time needed to locate a specific record (Figure 12).

- The Filter panel is on the left. If necessary, click on the **Arrow** icon next to the **Equipment Type** Filter heading to expand the list of available filters within the group.
- 2. Click on the **Arrow** icon next to the **Vessel (Non-Skimming)** or **(Skimming)**.
- 3. Click in the box next to the Filter name to insert a checkmark.
- The Equipment Category panel immediately applies the filter and updates the record count for the appropriate Vessel Equipment Category. The (Total) Records Found updates to represent the correct count for the filtered data.
- 5. Add additional filters as desired. Multiple filters can be applied from within a group and filters can be applied from multiple headings. If necessary, use the scroll bars at the bottom and right of the Filter panel to view all the filter options.
- 6. Click on the **Vessel** Equipment Category listing on the right to view the filtered data.
- 7. Click the **Clear Filters** button at the bottom of the Filter panel to remove all filters applied to the data.

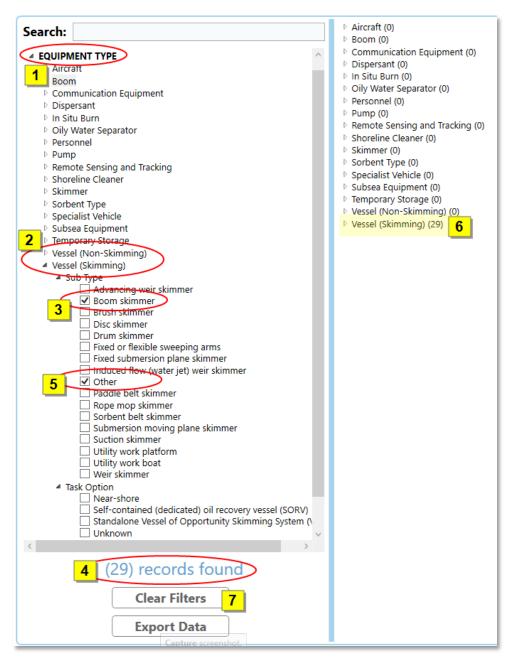


Figure 12- Apply Individual Vessel Filters

Filter Vessel Equipment

You can quickly view the equipment located on a specific vessel.

1. Click the **Arrow** icon left of the Vessel Equipment Category heading to expand the view to include a grid with the equipment details (Figure 13).



Figure 13- Expanding the Vessel Equipment Category

2. A grid displays beneath the Category heading. Each row represents a vessel within that Category. To view the equipment on the vessel, click **Filter Vessel Equipment** (Figure 14).



Figure 14- Filter Vessel Equipment

 The selected vessel name appears in the **Search** text field and the total records found updates to show the number of equipment data that was located on the ship. Equipment categories on the right that contain equipment data open to display grids with the equipment details (Figure 15).

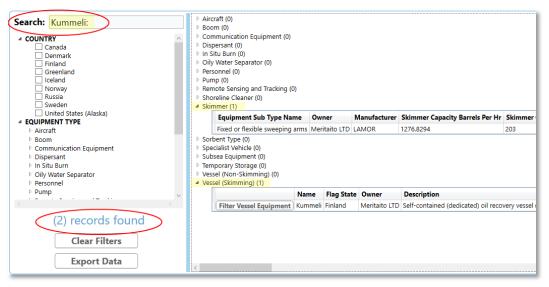


Figure 15- Equipment Data for the Selected Vessel

4. Click the **Clear Filters** button at the bottom of the Filter panel to remove all filters applied to the data (Figure 16).

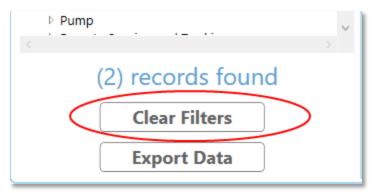


Figure 16- Clear Vessel Filter Data

Reorganizing Grid Columns

Columns in an Equipment Category grid can be reorganized by preference to assist in sorting the data.

 Select a column heading, hold the mouse button and drag the column heading to the left or right depending on desired location (Figure 17). A visual cue helps determine placement; a solid vertical bar displays on the left side of a column heading indicating the column would be moved to that location.

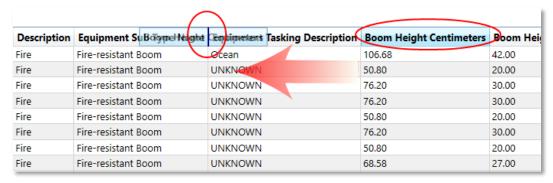


Figure 17- Dragging a Column to a New Position in Grid

2. Release the mouse button and the column will be placed to the left of the vertical bar (Figure 18).

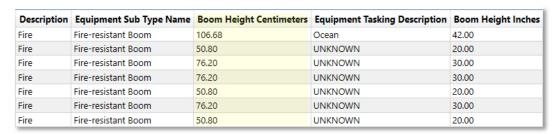


Figure 18- Column Moved to New Location in Grid

NOTE: Column reorganization will remain **ONLY** for the current grid session. If a new filter is applied, the grid would close to update the data set and when the Equipment Category view is expanded, the columns will have reverted to the default placement. Data that is exported to Excel would use the **default** column placement, but columns can be reorganized from within the Excel application.

Exporting the Data

Records in the Equipment Category panel can be exported to an Excel file. This includes the complete record set or a filtered set of records.

NOTE: The Record Set exported to Microsoft Excel will be in a basic format. The data should be reviewed within Excel and manipulated as needed before distributing or printing.

1. Conduct a search for the desired records using one of the Search options described in this document (Figure 19).

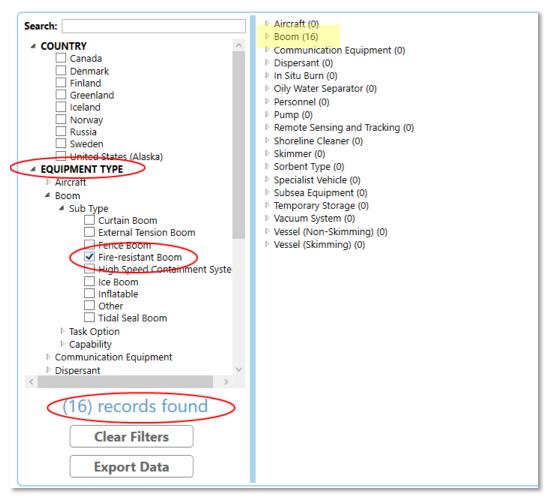


Figure 19- Searching for Fire-Resistant Booms

2. Click the **Export Data** button at the bottom of the Filter panel (Figure 20).

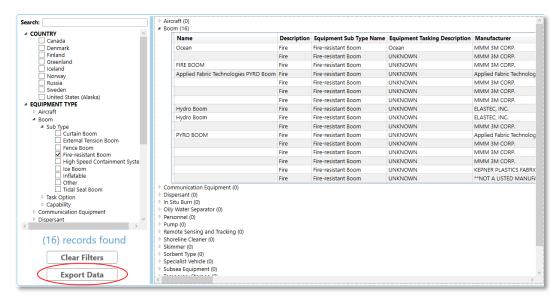


Figure 20- Export Data

 You will be prompted to select the system of measure, Imperial (US) or Metric. Select the radio button for the desired option and click OK (Figure 21).

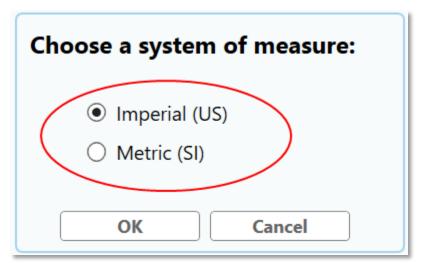


Figure 21- Selecting a System of Measure

 The standard "Save As" window displays, browse to the correct folder on your local hard drive or servers to save the exported file. Type in a File Name, verify File Type (.xlsx or .cvs), and click the Save button (Figure 22).

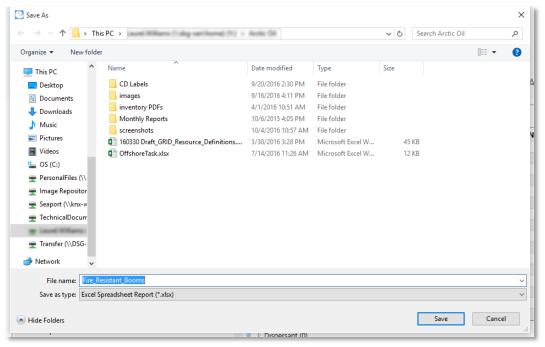


Figure 22- Save As Dialog Box

5. The file exports to the selected location. If you have selected an Excel file type, by default Microsoft Excel will launch to open the file for viewing*.

*NOTE: Depending on your local computer settings, the Excel Auto Open feature may not be allowed. Please locate the file in the selected folder and double-click the file name to open the file manually.

6. The exported Record Set displays in Microsoft Excel. The Equipment Category is listed at the top of the Excel window and is the Excel sheet label at the bottom of the window. Please review and manipulate the data as needed before distributing (Figure 23, Figure 24).

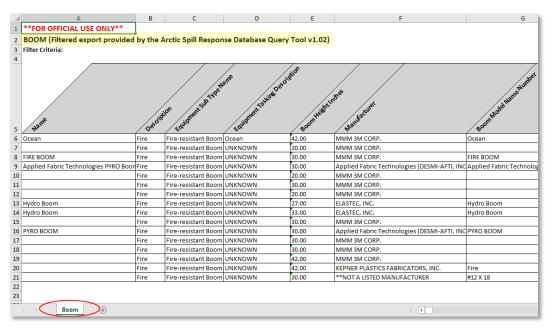


Figure 23- The Exported Data in Excel Format

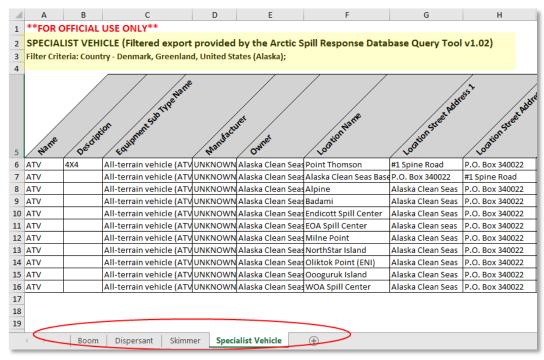


Figure 24- The Exported Data in Excel Format with Multiple Equipment Categories and Country Filters