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# Arctic Spill Response Database Query Tool User Guide

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Version 1.03

## EPPR

**Emergency Prevention  
Preparedness and Response**



A Working Group of the Arctic Council



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## 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 .....	14

## 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
Figure 6- Using the Keyword Search.....	5
Figure 7- Click the Arrow Key to View Data .....	6
Figure 8- Clear Filters .....	6
Figure 9- Click Arrow to Expand Equipment Category View.....	7
Figure 10- Browsing the Equipment Category Data .....	7
Figure 11- Applying Individual Filters .....	8
Figure 12- Apply Individual Vessel Filters .....	10
Figure 13- Expanding the Vessel Equipment Category .....	11
Figure 14- Filter Vessel Equipment.....	11
Figure 15- Equipment Data for the Selected Vessel .....	12
Figure 16- Clear Vessel Filter Data .....	12
Figure 17- Dragging a Column to a New Position in Grid .....	13
Figure 18- Column Moved to New Location in Grid .....	13
Figure 19- Searching for Fire-Resistant Booms.....	14

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).

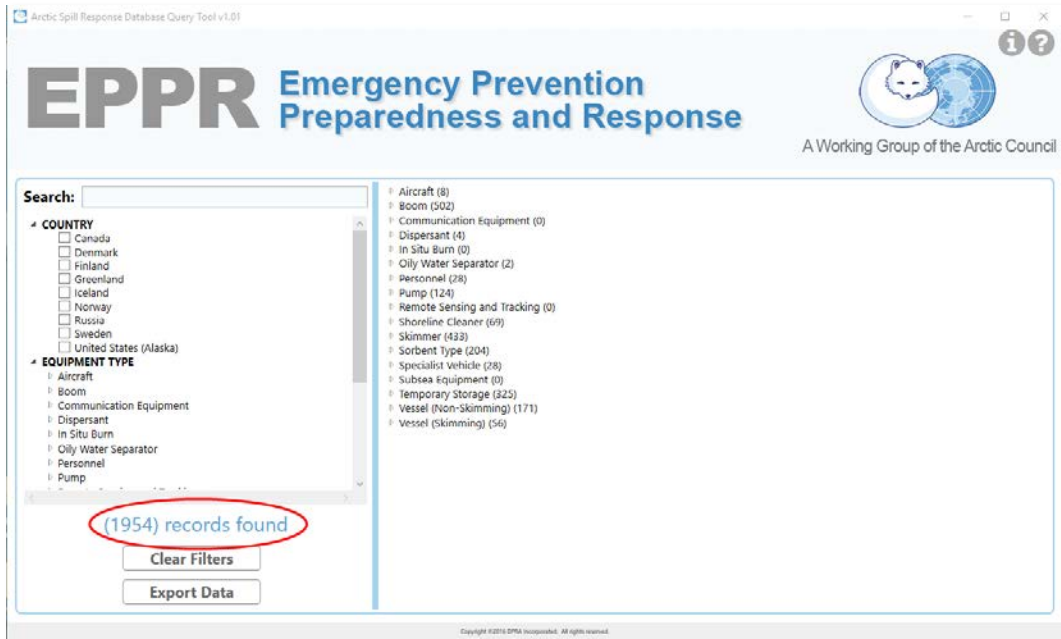


Figure 1- Arctic Spill Response Database Query Tool Main Interface

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

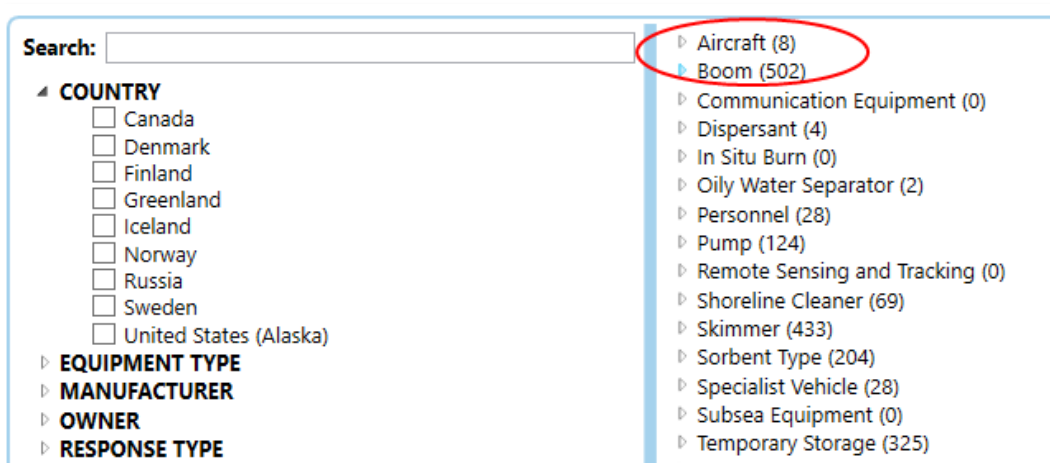


Figure 2- Number of Records for an Equipment Category in Parenthesis

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).

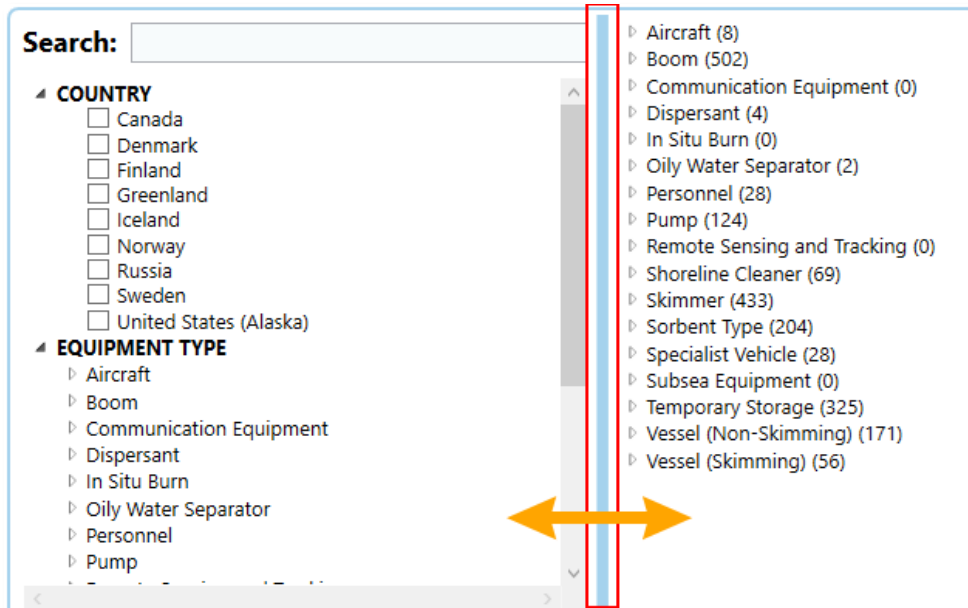


Figure 3- Expanding the Filter Panel

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.

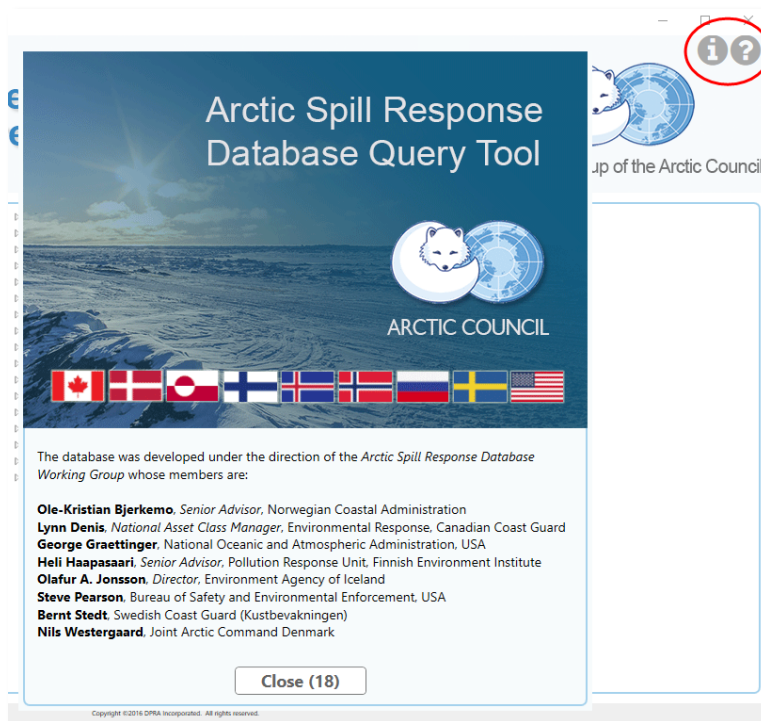


Figure 4- Information and Help Buttons

## 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).

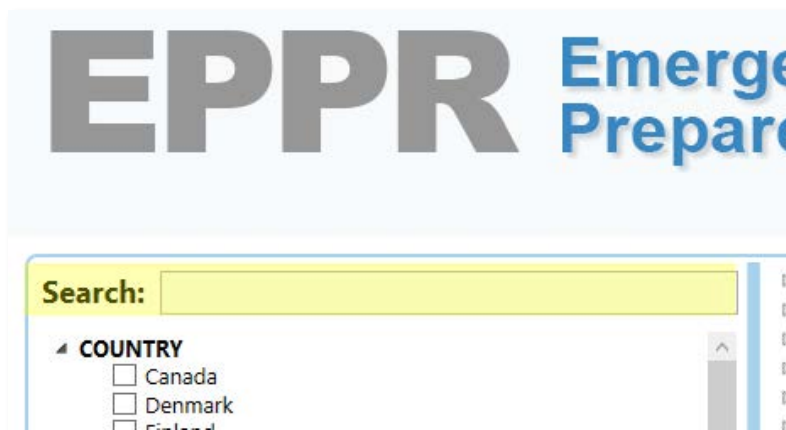


Figure 5- Search Data Field

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.

The screenshot shows the Arctic Spill Response Database Query Tool v1.01 interface. At the top, it says "Arctic Spill Response Database Query Tool v1.01". Below that is the title "EPPR Emergency Prevention Preparedness and". The main interface is divided into several sections:

- Search:** A text input field containing "ocea" is circled in red.
- COUNTRY:** A list of checkboxes for Canada, Denmark, Finland, Greenland, Iceland, Norway, Russia, Sweden, and United States (Alaska).
- EQUIPMENT TYPE:** A dropdown menu.
- MANUFACTURER:** A dropdown menu.
- OWNER:** A dropdown menu.
- RESPONSE TYPE:** A dropdown menu.
- Equipment Categories:** A list of categories with counts in parentheses, including Aircraft (0), Boom (59), Communication Equipment (0), Dispersant (1), In Situ Burn (0), Oily Water Separator (0), Personnel (3), Pump (3), Remote Sensing and Tracking (0), Shoreline Cleaner (0), Skimmer (9), Sorbent Type (7), Specialist Vehicle (0), Subsea Equipment (0), Temporary Storage (31), Vacuum System (0), Vessel (Non-Skimming) (0), and Vessel (Skimming) (0). The "Dispersant (1)" category is highlighted in yellow.
- Results:** A blue text label "(113) records found" is circled in red.
- Buttons:** "Clear Filters" and "Export Data" buttons.

At the bottom right, there is a small copyright notice: "Copyright ©2016 DPRA Incorporated. All right".

Figure 6- Using the Keyword Search

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

Name	Description	Equipment Sub Type Name	Equipment Tasking Description	M
OILBOOM, IF7000	Curtain boom	Curtain Boom	Ocean	EX
OILBOOM, IF7000	Curtain boom	Curtain Boom	Ocean	EX
OILBOOM, RO-BOOM 2000	Curtain boom	Curtain Boom	Ocean	De
OILBOOM, RO-BOOM 2000	Curtain boom	Curtain Boom	Ocean	De
RO-Boom 2000	Heavy Duty Oil Containment Boom	Inflatable	Ocean	De
RO-Boom 1500	Heavy Duty Oil Containment Boom	Inflatable	Ocean	De
RO-Boom 2000	Heavy Duty Oil Containment Boom	Inflatable	Ocean	De
RO-Boom 1500	Heavy Duty Oil Containment Boom	Inflatable	Ocean	De
Lamor FOB 1500	Foam Filled Oil Boom	Inflatable	Ocean	La
Expandi	Inflatable	Inflatable	Ocean	Ex
NO-800-R	Heavy Duty Oil Containment Boom	Inflatable	Ocean	Nc
		Inflatable	Ocean	De
Ocean	Fire	Fire-resistant Boom	Ocean	MI
LIGHT OCEAN	Curtain	Curtain Boom	Ocean	KE
LIGHT OCEAN	Curtain	Curtain Boom	Ocean	CC
Sea Sentry OCEAN	Curtain	Curtain Boom	Ocean	EN
ROLUNDS RO-BOOM OCEAN	Curtain	Curtain Boom	Ocean	Rc
OCEAN	Curtain	Curtain Boom	Ocean	AL
LIGHT OCEAN	Intertidal	Tidal Seal Boom	Offshore/near-shore/inland	KE
NOFI OCEAN	Curtain	Curtain Boom	Ocean	AL
OCEAN	Curtain	Curtain Boom	Ocean	KE

Figure 7- Click the Arrow Key to View Data

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

Search:

**COUNTRY**

- Canada
- Denmark
- Finland
- Greenland
- Iceland
- Norway
- Russia
- Sweden
- United States (Alaska)

**EQUIPMENT TYPE**

**MANUFACTURER**

**OWNER**

**RESPONSE TYPE**

(113) records found

Name	Description
OILBOOM, IF7000	Curtain boom
OILBOOM, IF7000	Curtain boom
OILBOOM, RO-BOOM 2000	Curtain boom
OILBOOM, RO-BOOM 2000	Curtain boom
RO-Boom 2000	Heavy Duty Oil Containment E
RO-Boom 1500	Heavy Duty Oil Containment E
RO-Boom 2000	Heavy Duty Oil Containment E
RO-Boom 1500	Heavy Duty Oil Containment E
Lamor FOB 1500	Foam Filled Oil Boom
Expandi	Inflatable
NO-800-R	Heavy Duty Oil Containment E
Ocean	Fire
LIGHT OCEAN	Curtain
LIGHT OCEAN	Curtain
Sea Sentry OCEAN	Curtain
ROLUNDS RO-BOOM OCEAN	Curtain
OCEAN	Curtain
LIGHT OCEAN	Intertidal
NOFI OCEAN	Curtain
OCEAN	Curtain

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).

The screenshot shows a list of equipment categories on the left: Aircraft (8), Boom (502), Communication Equipment (0), and Dispersant (4). The 'Dispersant' category is expanded, showing a table with the following data:

Equipment Sub Type Name	Owner	Manufacturer
Product	Cook Inlet Spill Prevention	EXXON CHEMICAL COMPANY
Product	Cook Inlet Spill Prevention	EXXON CHEMICAL COMPANY
Product	Cook Inlet Spill Prevention	EXXON CHEMICAL COMPANY
Product	ASRC Energy Services	**NOT A LISTED MANUFACTURER

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).

The screenshot shows a list of equipment categories on the left: Aircraft (8), Boom (502), Communication Equipment (0), Dispersant (4), In Situ Burn (0), Oily Water Separator (2), Personnel (45), Pump (124), Remote Sensing and Tracking (0), and Shoreline Cleaner (69). The 'Dispersant', 'Oily Water Separator', and 'Shoreline Cleaner' categories are expanded, showing tables with the following data:

Equipment Sub Type Name	Owner	Manufacturer	Dispersant Quantity	Is Dispersant
Product	Cook Inlet Spill Prevention	EXXON CHEMICAL COMPANY	11275	YES
Product	Cook Inlet Spill Prevention	EXXON CHEMICAL COMPANY	9295	YES
Product	Cook Inlet Spill Prevention	EXXON CHEMICAL COMPANY	2255	YES
Product	ASRC Energy Services	**NOT A LISTED MANUFACTURER	25000	YES

Equipment Sub Type Name	Manufacturer	Separator Model Name	Owner	Separator Manufacturer
Gravity parallel plate separator	UNKNOWN	220 bbl	Cook Inlet Spill Prevention	
Gravity parallel plate separator	UNKNOWN	33 Bbl oil/water separator	Cook Inlet Spill Prevention	

Equipment Sub Type Name	Manufacturer	Owner	Location Name	Location Street Address
Other	UNKNOWN	Norwegian Coastal Administration	Depot 01 Horten	Moloveien 7
Other	UNKNOWN	Norwegian Coastal Administration	Depot 02 Kristiansand	Sjølystveien 27
Other	UNKNOWN	Norwegian Coastal Administration	Depot 03 Stavanger	Harestadveien 77
Other	UNKNOWN	Norwegian Coastal Administration	Depot 04 Bergen	Coast Center Base
Other	UNKNOWN	Norwegian Coastal Administration	Depot 05 Ålesund	Nørveika
Other	UNKNOWN	Norwegian Coastal Administration	Depot 06 Ørland	Industrinata

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.
3. 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.

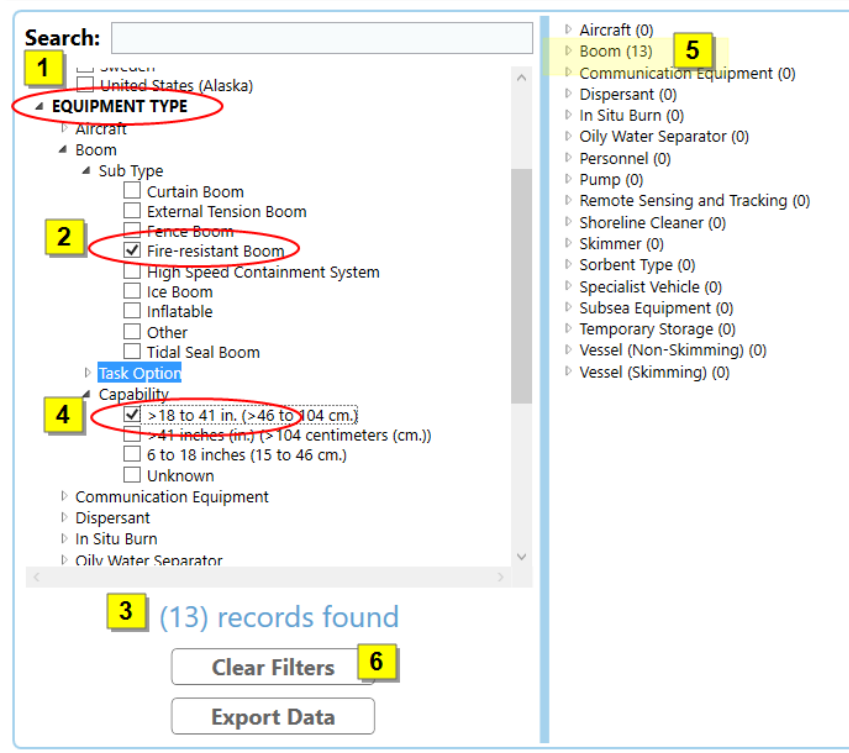


Figure 11- Applying Individual Filters

## 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).

1. 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.
4. 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.

**Search:**

**1** **EQUIPMENT TYPE**

- 1 Aircraft
- Boom
- Communication Equipment
- Dispersant
- In Situ Burn
- Oily Water Separator
- Personnel
- Pump
- Remote Sensing and Tracking
- Shoreline Cleaner
- Skimmer
- Sorbent Type
- Specialist Vehicle
- Subsea Equipment
- 2 Temporary Storage
- Vessel (Non-Skimming)
- 3 Vessel (Skimming)
- Sub-Type
  - Advancing weir skimmer
  - 4 Boom skimmer
  - Brush skimmer
  - Disc skimmer
  - Drum skimmer
  - Fixed or flexible sweeping arms
  - Fixed submersion plane skimmer
  - Induced flow (water jet) weir skimmer
  - 5 Other
  - Paddle belt skimmer
  - Rope mop skimmer
  - Sorbent belt skimmer
  - Submersion moving plane skimmer
  - Suction skimmer
  - Utility work platform
  - Utility work boat
  - Weir skimmer
- Task Option
  - Near-shore
  - Self-contained (dedicated) oil recovery vessel (SORV)
  - Standalone Vessel of Opportunity Skimming System (VOS)
  - Unknown

**4** (29) records found

**7** Clear Filters

Export Data

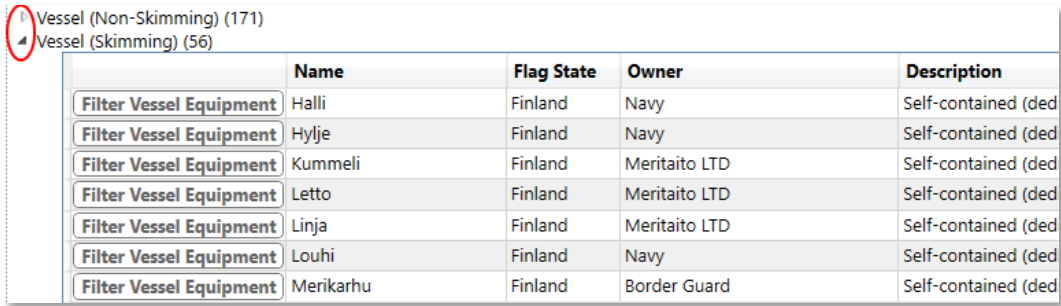
**6** Aircraft (0)  
Boom (0)  
Communication Equipment (0)  
Dispersant (0)  
In Situ Burn (0)  
Oily Water Separator (0)  
Personnel (0)  
Pump (0)  
Remote Sensing and Tracking (0)  
Shoreline Cleaner (0)  
Skimmer (0)  
Sorbent Type (0)  
Specialist Vehicle (0)  
Subsea Equipment (0)  
Temporary Storage (0)  
Vessel (Non-Skimming) (0)  
Vessel (Skimming) (29)

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).



	Name	Flag State	Owner	Description
Filter Vessel Equipment	Halli	Finland	Navy	Self-contained (ded
Filter Vessel Equipment	Hylje	Finland	Navy	Self-contained (ded
Filter Vessel Equipment	Kummeli	Finland	Meritaito LTD	Self-contained (ded
Filter Vessel Equipment	Letto	Finland	Meritaito LTD	Self-contained (ded
Filter Vessel Equipment	Linja	Finland	Meritaito LTD	Self-contained (ded
Filter Vessel Equipment	Louhi	Finland	Navy	Self-contained (ded
Filter Vessel Equipment	Merikarhu	Finland	Border Guard	Self-contained (ded

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).



	Name	Flag State	Owner
Filter Vessel Equipment	Halli	Finland	Navy
Filter Vessel Equipment	Hylje	Finland	Navy
Filter Vessel Equipment	Kummeli	Finland	Meritaito LTD
Filter Vessel Equipment	Letto	Finland	Meritaito LTD
Filter Vessel Equipment	Linja	Finland	Meritaito LTD
Filter Vessel Equipment	Louhi	Finland	Navy

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).

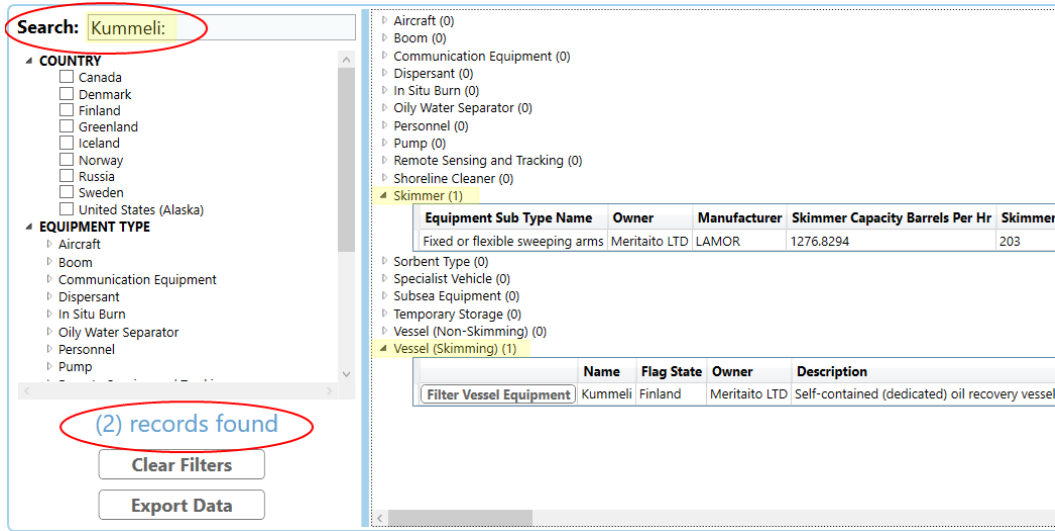


Figure 15- Equipment Data for the Selected Vessel

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

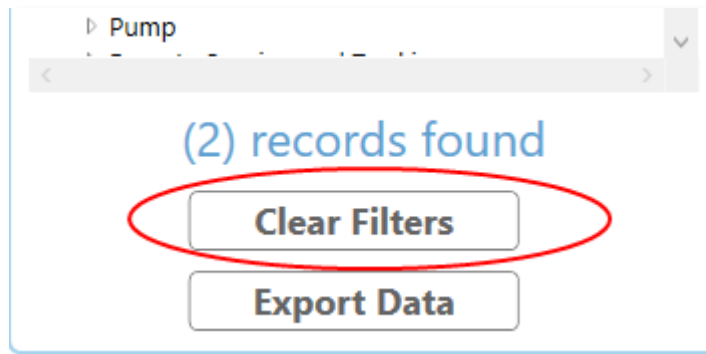
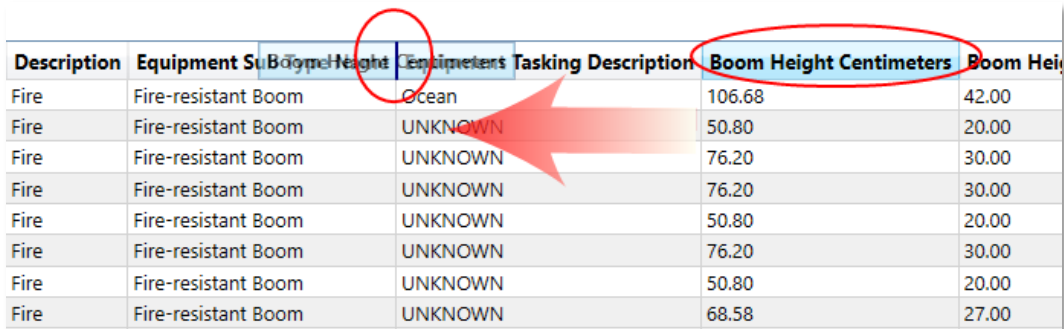


Figure 16- Clear Vessel Filter Data

## Reorganizing Grid Columns

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

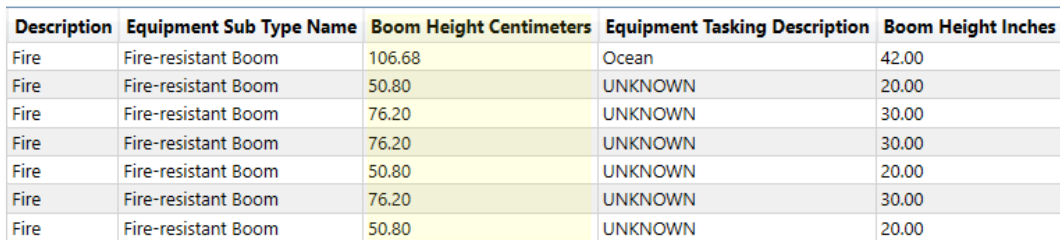
1. Select a column heading, hold the mouse button and drag the column heading to the left or right depending on desired location (Figure 17). A visual cue helps determine placement; a solid vertical bar displays on the left side of a column heading indicating the column would be moved to that location.



Description	Equipment Sub Type Name	Boom Height Centimeters	Tasking Description	Boom Height Centimeters	Boom Height Inches
Fire	Fire-resistant Boom	106.68	Ocean	42.00	
Fire	Fire-resistant Boom	50.80	UNKNOWN	20.00	
Fire	Fire-resistant Boom	76.20	UNKNOWN	30.00	
Fire	Fire-resistant Boom	76.20	UNKNOWN	30.00	
Fire	Fire-resistant Boom	50.80	UNKNOWN	20.00	
Fire	Fire-resistant Boom	76.20	UNKNOWN	30.00	
Fire	Fire-resistant Boom	50.80	UNKNOWN	20.00	
Fire	Fire-resistant Boom	68.58	UNKNOWN	27.00	

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).



Description	Equipment Sub Type Name	Boom Height Centimeters	Equipment Tasking Description	Boom Height Inches
Fire	Fire-resistant Boom	106.68	Ocean	42.00
Fire	Fire-resistant Boom	50.80	UNKNOWN	20.00
Fire	Fire-resistant Boom	76.20	UNKNOWN	30.00
Fire	Fire-resistant Boom	76.20	UNKNOWN	30.00
Fire	Fire-resistant Boom	50.80	UNKNOWN	20.00
Fire	Fire-resistant Boom	76.20	UNKNOWN	30.00
Fire	Fire-resistant Boom	50.80	UNKNOWN	20.00

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).

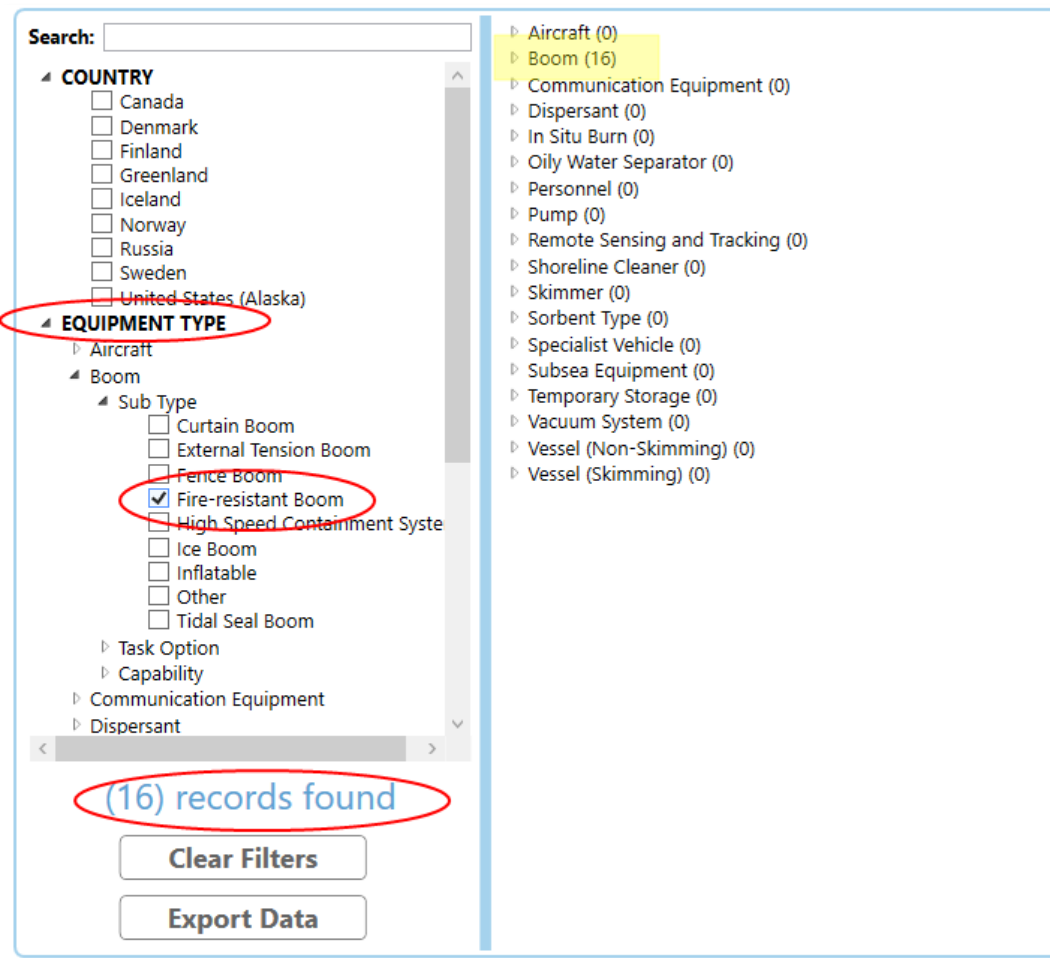


Figure 19- Searching for Fire-Resistant Booms

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

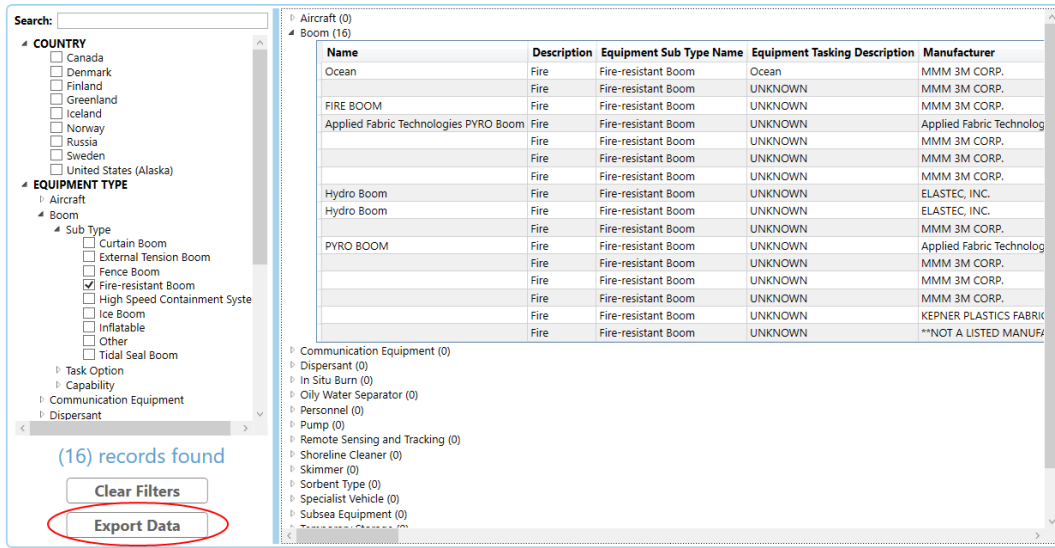


Figure 20- Export Data

3. 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).

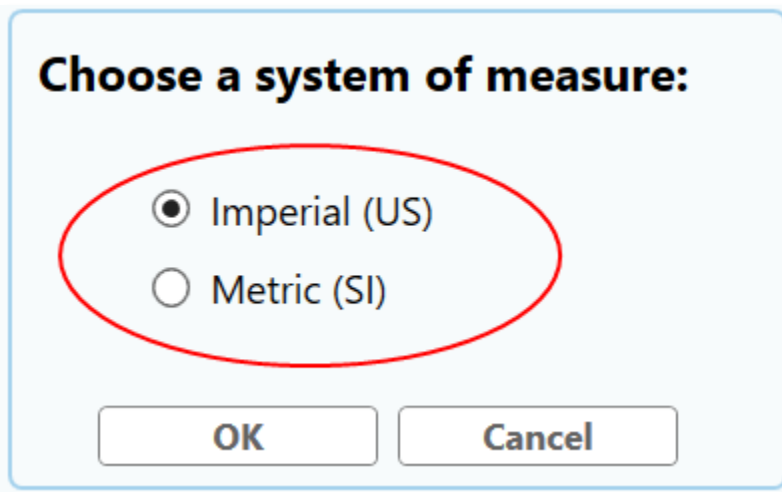


Figure 21- Selecting a System of Measure

- 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 .csv), and click the **Save** button (Figure 22).

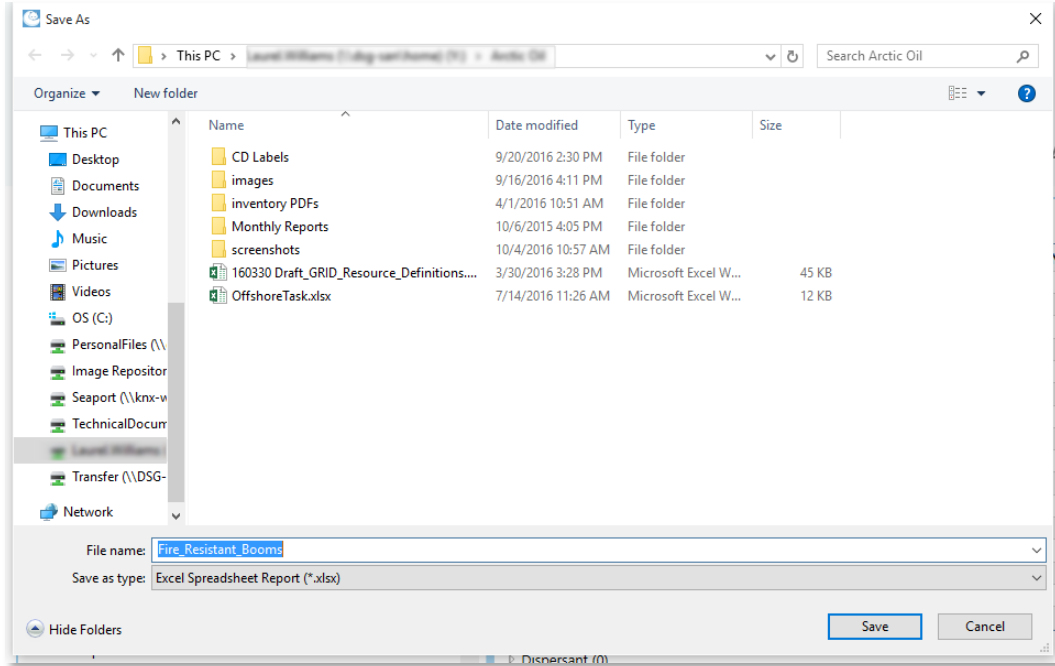


Figure 22- Save As Dialog Box

- 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.

- 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).

Name	Description	Equipment Sub Type Name	Equipment Tasking Description	Boom Height Inches	Manufacturer	Boom Model Name Number
Ocean	Fire	Fire-resistant Boom	Ocean	42.00	MMM 3M CORP.	Ocean
	Fire	Fire-resistant Boom	UNKNOWN	20.00	MMM 3M CORP.	
FIRE BOOM	Fire	Fire-resistant Boom	UNKNOWN	30.00	MMM 3M CORP.	FIRE BOOM
Applied Fabric Technologies PYRO Boom	Fire	Fire-resistant Boom	UNKNOWN	30.00	Applied Fabric Technologies (DESMI-AFTI), INC	Applied Fabric Technolog
	Fire	Fire-resistant Boom	UNKNOWN	20.00	MMM 3M CORP.	
	Fire	Fire-resistant Boom	UNKNOWN	30.00	MMM 3M CORP.	
	Fire	Fire-resistant Boom	UNKNOWN	20.00	MMM 3M CORP.	
Hydro Boom	Fire	Fire-resistant Boom	UNKNOWN	27.00	ELASTEC, INC.	Hydro Boom
Hydro Boom	Fire	Fire-resistant Boom	UNKNOWN	33.00	ELASTEC, INC.	Hydro Boom
	Fire	Fire-resistant Boom	UNKNOWN	30.00	MMM 3M CORP.	
PYRO BOOM	Fire	Fire-resistant Boom	UNKNOWN	30.00	Applied Fabric Technologies (DESMI-AFTI), INC	PYRO BOOM
	Fire	Fire-resistant Boom	UNKNOWN	30.00	MMM 3M CORP.	
	Fire	Fire-resistant Boom	UNKNOWN	30.00	MMM 3M CORP.	
	Fire	Fire-resistant Boom	UNKNOWN	42.00	MMM 3M CORP.	
	Fire	Fire-resistant Boom	UNKNOWN	42.00	KEPNER PLASTICS FABRICATORS, INC.	Fire
	Fire	Fire-resistant Boom	UNKNOWN	30.00	**NOT A LISTED MANUFACTURER	#12 X 18

Figure 23- The Exported Data in Excel Format

Name	Description	Equipment Sub Type Name	Manufacturer	Owner	Location Name	Location Street Address 1	Location Street Address 2
ATV	4X4	All-terrain vehicle (ATV)	UNKNOWN	Alaska Clean Seas	Point Thomson	#1 Spine Road	P.O. Box 340022
ATV		All-terrain vehicle (ATV)	UNKNOWN	Alaska Clean Seas	Alaska Clean Seas Base	P.O. Box 340022	#1 Spine Road
ATV		All-terrain vehicle (ATV)	UNKNOWN	Alaska Clean Seas	Alpine	Alaska Clean Seas	P.O. Box 340022
ATV		All-terrain vehicle (ATV)	UNKNOWN	Alaska Clean Seas	Badami	Alaska Clean Seas	P.O. Box 340022
ATV		All-terrain vehicle (ATV)	UNKNOWN	Alaska Clean Seas	Endicott Spill Center	Alaska Clean Seas	P.O. Box 340022
ATV		All-terrain vehicle (ATV)	UNKNOWN	Alaska Clean Seas	EOA Spill Center	Alaska Clean seas	P.O. Box 340022
ATV		All-terrain vehicle (ATV)	UNKNOWN	Alaska Clean Seas	Milne Point	Alaska Clean Seas	P.O. Box 340022
ATV		All-terrain vehicle (ATV)	UNKNOWN	Alaska Clean Seas	NorthStar Island	Alaska Clean Seas	P.O. Box 340022
ATV		All-terrain vehicle (ATV)	UNKNOWN	Alaska Clean Seas	Oliktok Point (ENI)	Alaska Clean Seas	P.O. Box 340022
ATV		All-terrain vehicle (ATV)	UNKNOWN	Alaska Clean Seas	Oooguruk Island	Alaska Clean Seas	P.O. Box 340022
ATV		All-terrain vehicle (ATV)	UNKNOWN	Alaska Clean Seas	WOA Spill Center	Alaska Clean Seas	P.O. Box 340022

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