
Pacific States Marine Fisheries Commission

APEX Reporting

QueryBuilder v2.0 Application



Version History

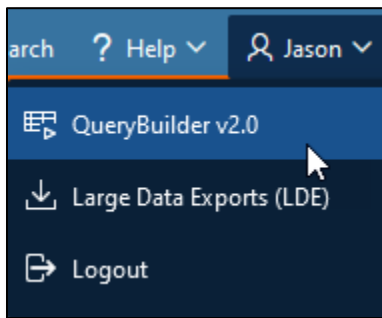
Date	Author	Change Comments	Version
6/16/2020	J. Edwards	Initial Draft	1.0

APEX Reporting - QueryBuilder v2.0

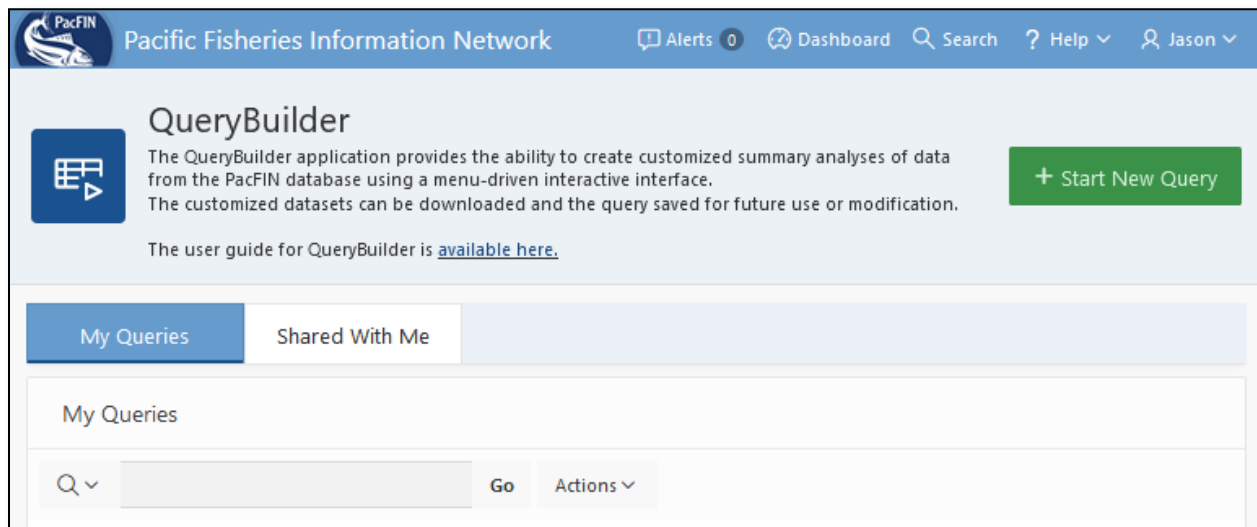
QueryBuilder v2.0 is an online application that allows users to create custom queries on the PacFIN/RecFIN databases using an interactive, graphically driven interface. Users can retrieve raw (non-aggregated) data records or apply aggregate functions (sum, count, average, etc.) to generate summarized data reports. QueryBuilder v2.0 displays the SQL used to create the query as well as the data output of the query. Custom queries can be saved, edited, and shared with other users (assuming they have the required permissions). Query data output can be downloaded for use in other programs.

Accessing the QueryBuilder Application

The QueryBuilder tool is available to PacFIN/RecFIN authorized users with an active user account login and password. After logging in to the PacFIN or RecFIN APEX Reporting System, click on your name in the top right section of the screen to activate the drop-down menu, and click on the **QueryBuilder v2.0** selection.

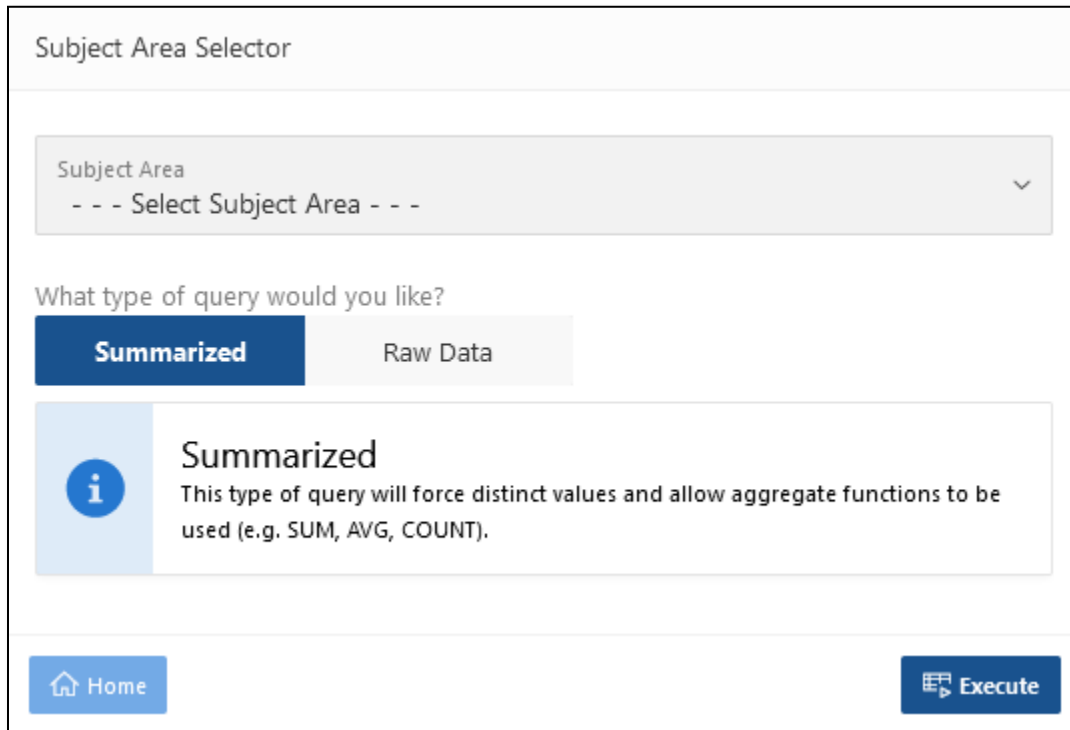


This will take you to the QueryBuilder home page where you can start a new query or access/edit existing saved/shared queries.



Building a New Query

To create a new query, from the QueryBuilder start page, click on the green **Start New Query** button (pictured above). The **Subject Area Selector** window will appear.

The image shows a web-based window titled "Subject Area Selector". At the top, there is a dropdown menu labeled "Subject Area" with the text "-- Select Subject Area --" and a downward arrow. Below this, the text "What type of query would you like?" is displayed. Underneath, there are two buttons: "Summarized" (highlighted in blue) and "Raw Data" (in light gray). Below the buttons, there is an information box for the "Summarized" option, featuring a blue circle with a white 'i' icon. The text in the box says: "Summarized. This type of query will force distinct values and allow aggregate functions to be used (e.g. SUM, AVG, COUNT)." At the bottom left, there is a "Home" button with a house icon. At the bottom right, there is an "Execute" button with a play icon.

Subject Area Selector Window

Subject Area Selection - Using the dropdown menu, select a Subject Area from which to query the data. Subject areas are one or more database objects that are combined by PacFIN/RecFIN on the backend for use in QueryBuilder.

Query Type Selection – Select the type of query you would like from the following options:

- **Summarized** – summarized queries allow the user to return aggregated results based on user-specific functions (e.g. sum, average, max, min, etc.). These queries also provide the ability to check for data confidentiality by counting the number of distinct entities.
- **Raw Data** – raw data queries return the individual rows of the Subject Area data tables. Data provided by this query type is NOT aggregated. Note that raw data may contain confidential information.

A brief description of each query type is provided in the information box.

Click the **Execute** button to move to the query design page (Figure a).

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QueryBuilder v2.0 - New Query

Use QueryBuilder v2.0 to create a new query. The query can be saved for future use. The results can be downloaded for offline analysis.

Criteria
Query
Results

COMPREHENSIVE_FT

Select All >>

	Category	Column Name	Data Type
⋮	Agency	AGENCY_CODE	A
⋮	Area	CATCH_AREA_CODE	A
⋮	Area	CATCH_AREA_DESCRIPTION	A
⋮	Area	ORIG_PACFIN_CATCH_AREA_CODE	A
⋮	Area	PACFIN_CATCH_AREA_CODE	A
⋮	Area	PACFIN_CATCH_AREA_NAME	A
⋮	Area	PACFIN_CATCH_AREA_DESCRIPTION	A
⋮	Area	PACFIN_GROUP_CATCH_AREA_CODE	A
⋮	Area	INPFC_AREA_TYPE_CODE	A
⋮	Area	COUNCIL_CODE	A
⋮	Area	IFQ_MANAGEMENT_AREA	A
⋮	Area	CDFW_AREA_BLOCK	A
⋮	Dealer	DEALER_ID	#
⋮	Dealer	DEALER_NUM	A
⋮	Dealer	DEALER_NAME	A

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Selected Criteria

Columns 0 Filters 0

NO COLUMNS SELECTED

To add a column:

1. Drag-and-drop an available column from the Subject Area section (on the left)
2. Double-click an available column from the Subject Area section (on the left)
3. Press the "Select All" button to add all available columns at once.


Figure a. QueryBuilder design page

Criteria tab

From the **Criteria** tab of the design page (Figure a) users can select specific columns, apply filters, and other customizations to the report output.

The Criteria tab is separated into two main regions:

1. Subject Area (outlined in red above) - displays the name of the selected Subject Area and the Column Name, Category, and Data Type of all available columns. The user can click on the respective column heading in this table to sort and/or filter to find and display specific columns.
2. Selected Criteria - (outlined in green above) – displays the columns that have been selected to be included in the query. In this region, the user can specify the column order, create filters, apply sorting, customize column headings, specific decimal places, and apply aggregations.

 Note that aggregate functions are not available in **Raw Data** queries.

Finding columns





For the selected Subject Area, all available columns are listed in the Subject Area region. To find a specific column, the user can scroll through the list or use the interactive column heading menu to sort or filter the column list. To use the column heading menu, click on any of the column headings (Category, Column Name, Data Type) to display the drop-down menu. From the menu, the user can Sort Ascending, Sort Descending, or filter the list to find columns of interest.

COMPREHENSIVE_FT				Select All >>
	Category	Column Name		Data Type
⋮	Agency	AGENCY_CODE	↑	A*
⋮	Area	CATCH_AREA_CODE	↓	A*
⋮	Area	CATCH_AREA_DESCRIPTION	Filter...	A*
⋮	Area	ACL_CODE		A*
⋮	Area	ADJUSTED_GEAR_CODE		A*
⋮	Area	AFI_EXVESSEL_REVENUE_CODE		A*
⋮	Area	AFI_PRICE_PER_POUND		A*
⋮	Area	AGENCY_CODE		A*

Data Types

The symbols in the **Data Type** field provide information describing the attributes of each available column. Data types in the QueryBuilder system are classified as either Character, Numeric, or Date. Also, columns are further categorized as **Dimensions** or **Measures**. Dimension columns contain qualitative, categorical data. Measure columns contain quantitative, numeric values.

In **Summarized** QueryBuilder reports, only **COUNT** and **COUNT DISTINCT** aggregate functions can be applied to Dimension columns. However, Measure columns can have many more aggregate functions applied to them including: **COUNT**, **COUNT DISTINCT**, **AVG**, **MAX**, **MIN**, and **SUM**.

Data Type Symbol	Description
	Character and Dimension
	Numeric and Dimension
	Numeric and Measure
	Date and Dimension

Selecting columns

To add a column to be included in the query, the user can:













1. Drag-and-drop an available column from the Subject Area list to the Selected Criteria region.
2. Double-click anywhere in the row of an available column from the Subject Area list.
3. Click the **Select All button** in the Subject Area region to add all available columns at once.



Each available column can be selected multiple times (e.g. if a user wants to apply multiple aggregations to the same column). However, the **Select All** button can only be used once per report.

Selected Criteria Region

After columns are selected, they appear in the **Selected Criteria** region. This region provides information on the data type and source column names and allows users to edit column order, create filters, apply sorting, change column headings, select aggregations (summarized report only), and specify decimal places.

Selected Criteria							
<div><div> Columns 9</div><div> Filters 0</div></div>							
	Actions	Data Type	Column	Sort	Heading	Aggregate (Fx)	Decimal Places
↕		#*	LANDING_YEAR	-	<input type="text" value="PACFIN_YEAR"/>	- ▾	-
↕		#*	LANDING_MONTH	-	<input type="text" value="LANDING_MONTH"/>	- ▾	-
↕		 *	LANDING_DATE	-	<input type="text" value="LANDING_DATE"/>	- ▾	-
↕		A*	AGENCY_CODE	-	<input type="text" value="AGENCY_CODE"/>	- ▾	-
↕		A*	PORT_CODE	-	<input type="text" value="PORT_CODE"/>	- ▾	-
↕		A*	PORT_NAME	-	<input type="text" value="PORT_NAME"/>	- ▾	-
↕		A*	PACFIN_SPECIES_CODE	-	<input type="text" value="PACFIN_SPECIES_CODE"/>	- ▾	-
↕		#*	NUM_OF_FISH	-	<input type="text" value="NUM_OF_FISH"/>	SUM ▾	4 ▾
↕		#*	LANDED_WEIGHT_MTONS	-	<input type="text" value="LANDED_WEIGHT_MTONS"/>	SUM ▾	4 ▾

Changing Column Order

To change the order of the columns in your report, click and hold on the















button and drag to the desired location.

Selected Criteria							
<div><div> Columns 9</div><div> Filters 0</div></div>							
	Actions	Data Type	Column	Sort	Heading	Aggregate (Fx)	Decimal Places
↕		#*	LANDING_YEAR	-	<input type="text" value="PACFIN_YEAR"/>	<input type="text" value="-"/>	-
↕		#*	LANDING_MONTH	-	<input type="text" value="LANDING_MONTH"/>	<input type="text" value="-"/>	-
↕		*	LANDING_DATE	-	<input type="text" value="LANDING_DATE"/>	<input type="text" value="-"/>	-
↕		A*	AGENCY_CODE	-	<input type="text" value="AGENCY_CODE"/>	<input type="text" value="-"/>	-
↕		A*	PORT_CODE	-	<input type="text" value="PORT_CODE"/>	<input type="text" value="-"/>	-
↕		A*	PORT_NAME	-	<input type="text" value="PORT_NAME"/>	<input type="text" value="-"/>	-
↕		A*	PACFIN_SPECIES_CODE	-	<input type="text" value="PACFIN_SPECIES_CODE"/>	<input type="text" value="-"/>	-
↕		#*	NUM_OF_FISH	-	<input type="text" value="NUM_OF_FISH"/>	<input type="text" value="SUM"/>	4 ▾
↕		#*	LANDED_WEIGHT_MTONS	-	<input type="text" value="LANDED_WEIGHT_MTONS"/>	<input type="text" value="SUM"/>	4 ▾

Changing Column Headings

To change the column heading text in the report output, you can edit the name displayed in the **Heading** column of the Selected Criteria region.






Selected Criteria							
<div>Columns 9 Filters 0</div>							
	Actions	Data Type	Column	Sort	Heading	Aggregate (Fx)	Decimal Places
↕		#*	LANDING_YEAR	-	<input type="text" value="PACFIN_YEAR"/>	<input type="text" value="-"/>	-
↕		#*	LANDING_MONTH	-	<input type="text" value="LANDING_MONTH"/>	<input type="text" value="-"/>	-
↕		 *	LANDING_DATE	-	<input type="text" value="LANDING_DATE"/>	<input type="text" value="-"/>	-
↕		A*	AGENCY_CODE	-	<input type="text" value="AGENCY_CODE"/>	<input type="text" value="-"/>	-
↕		A*	PORT_CODE	-	<input type="text" value="PORT_CODE"/>	<input type="text" value="-"/>	-
↕		A*	PORT_NAME	-	<input type="text" value="PORT_NAME"/>	<input type="text" value="-"/>	-
↕		A*	PACFIN_SPECIES_CODE	-	<input type="text" value="PACFIN_SPECIES_CODE"/>	<input type="text" value="-"/>	-
↕		#*	NUM_OF_FISH	-	<input type="text" value="NUM_OF_FISH"/>	<input type="text" value="SUM"/>	4 
↕		#*	LANDED_WEIGHT_MTONS	-	<input type="text" value="LANDED_WEIGHT_MTONS"/>	<input type="text" value="SUM"/>	4 

Alternatively, you can click on the **Actions** button



for the respective column.

Select **Edit Column...**

Actions	Data Type	Column
	#	LANDING_YEAR
 Edit Column		LANDING_MONTH
 Filter		LANDING_DATE
 Sort		AGENCY_CODE
 Remove		PORT_CODE

...and edit the **Column Heading** text in the **Columns Dialog** window. Click **Save**.

Columns Dialog

Table
PACFIN_MARTS.COMPREHENSIVE_FT

Column
LANDING_YEAR

Column Heading
PACFIN_YEAR

Aggregate (Fx)
-

Cancel

Save

Applying Aggregate Functions (Summarized Reports Only)



















In Summarized Reports, to apply aggregate functions, choose the desired function from the **Aggregate (Fx)** column. Functions available for dimension columns include **COUNT** and **COUNT DISTINCT**. Functions available for numeric columns include: **COUNT, COUNT DISTINCT, AVG, MAX, MIN, and SUM**. A description of each aggregate function is below:

- **COUNT** – returns the total count of records for the selected Measure column
- **COUNT DISTINCT** – returns a count of the unique values for the selected Measure column
- **AVG** – returns the average value of the selected Measure column
- **MAX** – returns the maximum value of the selected Measure column
- **MIN** – returns the minimum value of the selected Measure column
- **SUM** – returns the summed value of the selected Measure column

Selected Criteria

Columns 9

Filters 0

	Actions	Data Type	Column	Sort	Heading	Aggregate (Fx)	Decimal Places
↕		# 	LANDING_YEAR	-	PACFIN_YEAR	-	-
↕		# 	LANDING_MONTH	-	LANDING_MONTH	-	-
↕		 #	LANDING_DATE	-	LANDING_DATE	-	-
↕		A 	AGENCY_CODE	-	AGENCY_CODE	-	-
↕		A 	PORT_CODE	-	PORT_CODE	-	-
↕		A 	PORT_NAME	-	PORT_NAME	-	-
↕		A 	PACFIN_SPECIES_CODE	-	PACFIN_SPECIES_CODE	-	-
↕		# 	NUM_OF_FISH	-	NUM_OF_FISH	SUM	4
↕		# 	LANDED_WEIGHT_MTONS	-	LANDED_WEIGHT_MTONS	COUNT	4
						COUNT DISTINCT	
						AVG	
						MAX	
						MIN	
						SUM	

Alternatively, you can click on the **Actions** button for the respective column, and select **Edit Column** (described above). From the **Columns Dialog** window, select the aggregate function from the drop-down menu. Click **Save**.

Columns Dialog

Table
PACFIN_MARTS.COMPREHENSIVE_FT

Column
NUM_OF_FISH

Column Heading
NUM_OF_FISH

Aggregate (Fx)
SUM

COUNT

COUNT DISTINCT

AVG

MAX

MIN

SUM

Decimal Places
4

Cancel

Save

Decimal Places

To specify the number of decimal digits for numeric columns, select the respective value from the drop-down menu in the **Decimal Places** column.

Selected Criteria							
Columns 9		Filters 0					
	Actions	Data Type	Column	Sort	Heading	Aggregate (Fx)	Decimal Places
		#	LANDING_YEAR	-	PACFIN_YEAR	-	-
		#	LANDING_MONTH	-	LANDING_MONTH	-	-
			LANDING_DATE	-	LANDING_DATE	-	-
		A	AGENCY_CODE	-	AGENCY_CODE	-	-
		A	PORT_CODE	-	PORT_CODE	-	-
		A	PORT_NAME	-	PORT_NAME	-	-
		A	PACFIN_SPECIES_CODE	-	PACFIN_SPECIES_CODE	-	-
		#	NUM_OF_FISH	-	NUM_OF_FISH	SUM	4
		#	LANDED_WEIGHT_MTONS	-	LANDED_WEIGHT_MTONS	SUM	0

Alternatively, you can click on the **Actions** button for the respective column, and select **Edit Column** (described above). From the **Columns Dialog** window, select the desired value from the **Decimal Places** drop-down menu. Click **Save**.

Columns Dialog

Table
PACFIN_MARTS.COMPREHENSIVE_FT

Column
NUM_OF_FISH

Column Heading
NUM_OF_FISH

Aggregate (Fx)
SUM

Decimal Places
4

Cancel

1 - 101 of 101

-

0

1

2

3

4

5

6

7

8

9

10

11

12

13

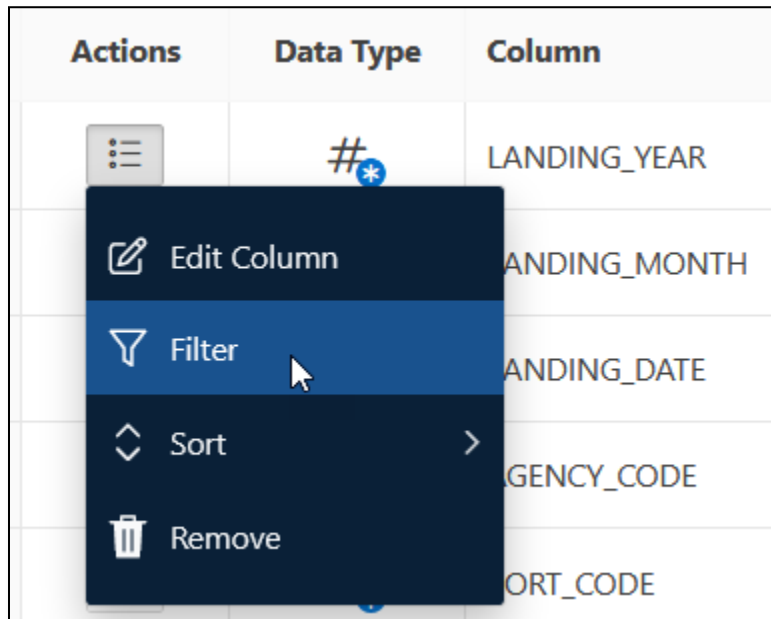
14

15

Creating Filters

There are two ways to create filters in the Selected Criteria region.

To apply a filter to a selected column, click on the **Actions** button (described above) and select **Filter**.



The **Filters Dialog** window will appear where you can select an operator from the drop-down menu.

Filters Dialog

Aggregate
-

Column
LANDING_YEAR

Operator
=

?

Single Value

▼

Cancel

Add +


The list of available operators is dependent on the data type of the column selected. A description of each operator is below:


Operator	Description
=	Returns records where the selected value <i>is equal</i> to the filter value selected.
!=	Returns records where the selected value <i>is not equal</i> to the filter value selected.
<	Less than
>	Greater than
IN	Returns records that match any value in a list of values (list specified by user)
NOT IN	Returns records that DO NOT match any value in a list of values (list specified by user)
BETWEEN	Returns records if operand is within a range of values (range specified by user)
IS NULL	Returns records where operand is null
IS NOT NULL	Returns records where operand is not null




Select the filter operator and assign criteria. Note that for the “equal”, “not equal”, “less than”, and “greater than” operators, only one value can be selected. For the “IN” and “NOT IN” operators, multiple values can be selected by clicking and dragging over the options or holding the **Ctrl** key and selecting multiple values. Click the **Add** button to create the filter.

After a filter has been created, it will be enumerated in the **Filters** tab. Click on the **Filters** tab to view the filters applied to your query.

Selected Criteria

 Columns 9

 Filters 3

Actions	Filter
	LANDING_YEAR BETWEEN 2015 AND 2020
	AGENCY_CODE = 'O'
	PACFIN_SPECIES_CODE IN ('BLCK', 'BLUR', 'CNRY', 'YEYE')


You can toggle between the **Columns** and **Filters** tabs to view selected columns and applied filters, respectively.


You can also filter results using columns that have **NOT** been selected to appear in the report output. To achieve this, click on the **Filters** tab (described above). From the Subject Area region, drag-and-drop or double-click on any column to create a new filter. This will bring up the **Filters Dialog** window where you can specify the filter operator and criteria as described above.




Removing Filters


To remove a filter, navigate to the **Filters** tab, click on the **Actions** button for the filter you wish to discard, and select **Remove**.

Selected Criteria

 Columns 9

 Filters 3

Actions	Filter
	LANDING_YEAR BETWEEN 2015 AND 2020
	AGENCY_CODE = 'O'
	AGENCY_CODE IN ('BLCK', 'BLUR', 'CNRY', 'YEYE')

 Remove

Sorting Results

To sort records on a column(s), click on the **Actions** button for the respective column and hover over **Sort**. You will have the option to **Sort Ascending**, **Sort Descending**, **Add Sort Asc**, **Add Sort Desc**. To sort on multiple columns, select **Add Sort Asc** or **Add Sort Desc** for each subsequent sort column.

Selected Criteria

Columns 9 Filters 3

	Actions	Data Type	Column	Sort
↕	☰	#	LANDING_YEAR	-
↕	✎ Edit Column		LANDING_MONTH	-
↕	🔍 Filter		LANDING_DATE	-
↕	↕ Sort			^ Sort Ascending
↕	🗑 Remove			∨ Sort Descending
↕	☰	A	P	^ Add Sort Asc
↕	☰	A	PACFIN_SPECIES_CODE	^ Add Sort Desc
↕	☰	#	NUM_OF_FISH	-
↕	☰	#	LANDED_WEIGHT_MTONS	-

When a sort option is applied to a column, an icon will appear in the **Sort** field specifying the sort type with a green up arrow (ascending) or red down arrow (descending) and the sort order (represented by a number).

Selected Criteria							
Columns 9		Filters 3					
	Actions	Data Type	Column	Sort	Heading	Aggregate (Fx)	Decimal Places
↕	⋮	#*	LANDING_YEAR	1 ↑	PACFIN_YEAR	-	-
↕	⋮	#*	LANDING_MONTH	2 ↑	LANDING_MONTH	-	-
↕	⋮	📅*	LANDING_DATE	-	LANDING_DATE	-	-
↕	⋮	A*	AGENCY_CODE	3 ↓	AGENCY_CODE	-	-
↕	⋮	A*	PORT_CODE	-	PORT_CODE	-	-
↕	⋮	A*	PORT_NAME	-	PORT_NAME	-	-
↕	⋮	A*	PACFIN_SPECIES_CODE	4 ↑	PACFIN_SPECIES_CODE	-	-
↕	⋮	#*	NUM_OF_FISH	-	NUM_OF_FISH	SUM	4 ▾
↕	⋮	#*	LANDED_WEIGHT_MTONS	-	LANDED_WEIGHT_MTONS	SUM	4 ▾

Query Tab

After customizing your query, you can view the resulting SQL script by clicking on the **Query** tab. The SQL script cannot be edited directly, but you can copy the code and run it in an SQL interface if you have appropriate database permissions. The SQL output can also be used to inspect your query for potential errors.

Criteria	Query	Results
----------	-------	---------

Query

```
SELECT T.PACFIN_YEAR AS PACFIN_YEAR,
       T.LANDING_MONTH AS LANDING_MONTH,
       T.LANDING_DATE AS LANDING_DATE,
       T.AGENCY_CODE AS AGENCY_CODE,
       T.PORT_CODE AS PORT_CODE,
       T.PORT_NAME AS PORT_NAME,
       T.PACFIN_SPECIES_CODE AS PACFIN_SPECIES_CODE,
       ROUND(SUM(T.NUM_OF_FISH),4) AS NUM_OF_FISH,
       ROUND(SUM(T.LANDED_WEIGHT_MTONS),4) AS LANDED_WEIGHT_MTONS
FROM PACFIN_MARTS.COMPREHENSIVE_FT T
WHERE T.PACFIN_YEAR BETWEEN 2015 AND 2020
      AND T.AGENCY_CODE = 'O'
      AND T.PACFIN_SPECIES_CODE IN ('BLCK','BLUR','CNRY','YEYE')
GROUP BY T.PACFIN_YEAR,
         T.LANDING_MONTH,
         T.LANDING_DATE,
         T.AGENCY_CODE,
         T.PORT_CODE,
         T.PORT_NAME,
         T.PACFIN_SPECIES_CODE
ORDER BY T.PACFIN_YEAR ASC NULLS LAST,
         T.LANDING_MONTH ASC NULLS LAST,
         T.AGENCY_CODE DESC NULLS LAST,
         T.PACFIN_SPECIES_CODE ASC NULLS LAST
```

Results Tab

The **Results** tab will display the report output of your query. You can toggle back and forth between the **Criteria**, **Query**, and **Results** tabs at any time to edit your query.

Criteria	Query	Results
----------	-------	---------

Results ↗

PACFIN_YEAR	LANDING_MONTH	LANDING_DATE	AGENCY_CODE	PORT_CODE	PORT_NAME	PACFIN_SPECIES_CODE	NUM_OF_FISH	LANDED_WEIGHT_MTONS
2015	1	29-JAN-15	O	002	ASTORIA			
2015	1	08-JAN-15	O	010	GARIBALDI (TILLAMOOK)			
2015	1	10-JAN-15	O	010	GARIBALDI (TILLAMOOK)			
2015	1	13-JAN-15	O	010	GARIBALDI (TILLAMOOK)			
2015	1	14-JAN-15	O	010	GARIBALDI (TILLAMOOK)			
2015	1	22-JAN-15	O	010	GARIBALDI (TILLAMOOK)			
2015	1	29-JAN-15	O	010	GARIBALDI (TILLAMOOK)			
2015	1	01-JAN-15	O	016	PACIFIC CITY			
2015	1	02-JAN-15	O	016	PACIFIC CITY			
2015	1	29-JAN-15	O	016	PACIFIC CITY			
2015	1	30-JAN-15	O	016	PACIFIC CITY			
2015	1	01-JAN-15	O	038	PORT ORFORD			
2015	1	02-JAN-15	O	038	PORT ORFORD			
2015	1	03-JAN-15	O	038	PORT ORFORD			
2015	1	05-JAN-15	O	038	PORT ORFORD			
2015	1	06-JAN-15	O	038	PORT ORFORD			

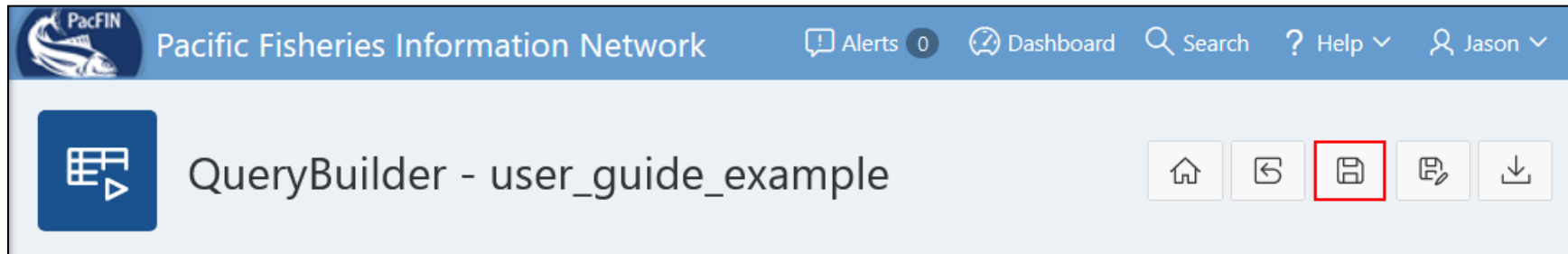
row(s) 1 - 25 of more than 1000 Next ▶

The requested data set exceeds the number of allowable rows (1,000) to display. Please download the data set to view all rows.

Saving Queries


Save

The QueryBuilder tool allows users to save queries for later use. To save a query, click on the **Save** button.



The **Save Dialog** window will appear where you can enter a name and provide description/notes for the query. Click the **Save** button to save the query.

Save Dialog

 **Information**
This will overwrite your current saved query.


Save Query As

user_guide_example

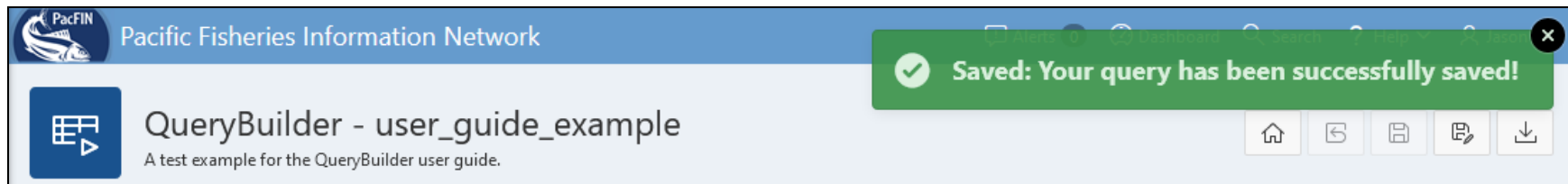
Description/Notes

A test example for the QueryBuilder user guide.

Cancel

 **Save**


After saving, you will receive a message in the top right corner of the page that your query was successfully saved, and the name and description of the query will be displayed at the top of the QueryBuilder page.

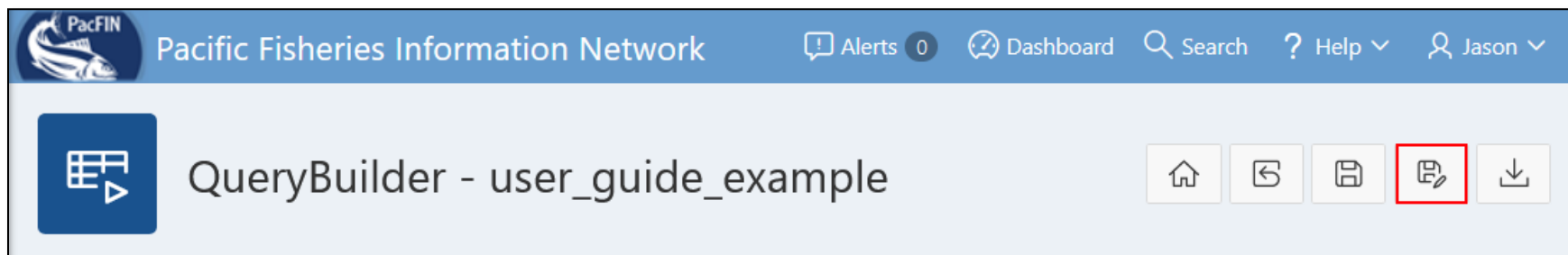


Save As

After a version of your query has been saved, you can save another version under a different name by clicking on the **Save As** button.




 Note that the name of the new saved version of the query must be different from the original.




Download






The results of your query can be downloaded as a CSV or Excel file, or saved to the Large Data Export (LDE) tool by clicking on the **Download** button.



 Pacific Fisheries Information Network

Alerts 0 Dashboard Search ? Help ▾ Jason ▾

 QueryBuilder - user_guide_example




After clicking on the **Download** button, the **Download Dialog** box will appear where you can select the type of download (CSV, Excel, LDE) and provide a custom file name for your query results. Click on the **Download** button to create the file.

Download Dialog

CSV

Excel

LDE



Comma-delimited file

ONLY includes column headings. NO header, footer, or run-time details.

File Name

File Name with no extension (e.g. example-file-name)

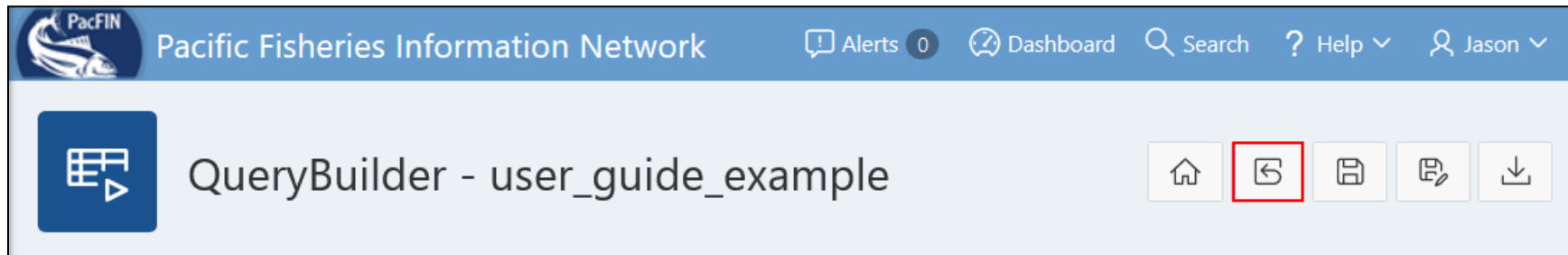
.CSV

Cancel

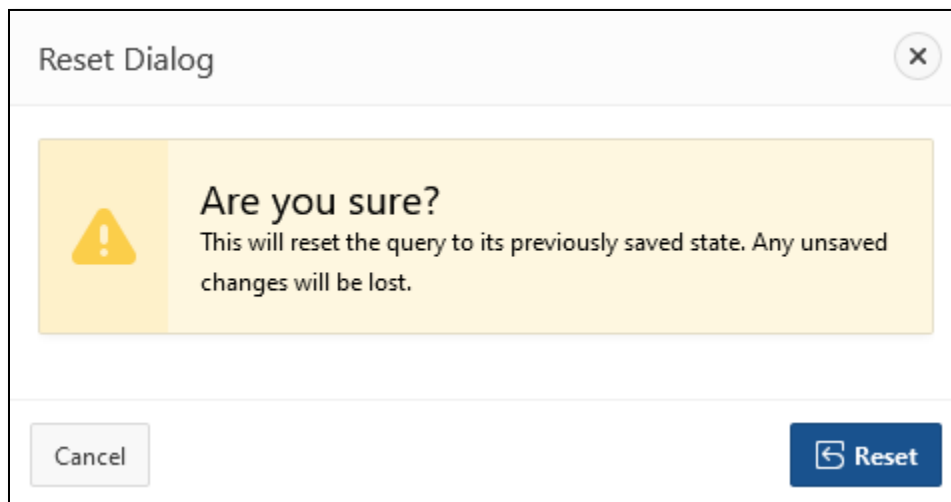
Download

Reset

After making edits, to restore a query to its most recently saved state, click on the **Reset** button.




Before the reset is performed, the **Reset Dialog** box will appear to confirm the action. Select **Reset** to confirm or **Cancel** to decline.




Return Home


You can return to the QueryBuilder home page at any time by clicking on the **Home** navigation button in the top right section page.





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 Alerts 0

 Dashboard

 Search

 Help ▾

 Jason ▾


QueryBuilder - user_guide_example

Saved Queries

Saved queries can be accessed and edited from the QueryBuilder start page under the **My Queries** tab. This page displays the saved query **Name**, **Description/Notes**, **Subject Area**, when the query was **Created**, and when the query was last **Modified**.

Executing Saved Queries

You can access and execute your saved queries by clicking on the **Actions** button and selecting **Execute Query**. This button will open the saved query design page where you can view and edit the **Criteria**, **Query**, and **Results** tab of the query as described above.



QueryBuilder

The QueryBuilder application provides the ability to create customized summary analyses of data from the PacFIN database using a menu-driven interactive interface.
The customized datasets can be downloaded and the query saved for future use or modification.

The user guide for QueryBuilder is [available here](#).

[+ Start New Query](#)

My Queries

Shared With Me

My Queries

Actions	Name	Description/Notes	Subject Area	Created	Modified
	user_guide_example	A test example for the QueryBuilder user guide.	COMPREHENSIVE_FT	5 days ago	5 minutes ago

Execute Query


Edit Details

Share

1 - 1 of 1

Viewing Details and Filters, Editing, and Deleting Saved Queries

You can view query details and filters by clicking on the **Actions** button and selecting **Edit Details**.



QueryBuilder

The QueryBuilder application provides the ability to create customized summary analyses of data from the PacFIN database using a menu-driven interactive interface.
The customized datasets can be downloaded and the query saved for future use or modification.

The user guide for QueryBuilder is [available here](#).

+ Start New Query

My Queries

Shared With Me

My Queries

Q

Go

Actions

Actions	Name	Description/Notes	Subject Area	Created	Modified
<div><div></div><div>Execute Query</div></div> <div><div></div><div>Edit Details</div></div> <div><div></div><div>Share</div></div>	user_guide_example	A test example for the QueryBuilder user guide.	COMPREHENSIVE_FT	5 days ago	5 minutes ago

1 - 1 of 1

The **Saved Report Dialog** window will appear where you can toggle between the **General Details** and **Filters** tabs to see the respective information for each. From the **General Details** tab, the **Saved Name** and **Description/Notes** can be edited and saved. The query can also be deleted from this window.

Saved Report Dialog

General Details

Filters

Subject Area

COMPREHENSIVE_FT

Saved Name

user_guide_example

Description/Notes

A test example for the QueryBuilder user guide.

Saved Date

06/24/2020 11:37:29AM

Last Modified

06/29/2020 01:24:27PM


Cancel

Delete

Save

Sharing Queries

The QueryBuilder tool allows users to share saved queries with other individuals with the same subject area permissions. To share a query, click on the **Actions** button and select **Share**.



QueryBuilder

The QueryBuilder application provides the ability to create customized summary analyses of data from the PacFIN database using a menu-driven interactive interface.
The customized datasets can be downloaded and the query saved for future use or modification.


The user guide for QueryBuilder is [available here](#).

[+ Start New Query](#)

My Queries

Shared With Me

My Queries

Actions	Name	Description/Notes	Subject Area	Created	Modified ↓
	user_guide_example	A test example for the QueryBuilder user guide.	COMPREHENSIVE_FT	5 days ago	5 minutes ago

Execute Query

Edit Details

Share

1 - 1 of 1

The **Share Dialog** window will appear where you can view a list of **Available User(s)** with permission to access the query. Shuttle user names to the **Selected User(s)** area and click on **Share** to send the query to those individuals.

Share Dialog

Saved Report
user_guide_example

Saved Date
06/24/2020 11:37:29AM

Last Modified
06/29/2020 01:24:27PM

i

Information

To share this report, move "Available User(s)" to "Selected User(s)" and click "Share".

Available User(s)

Roush, Mark (MROUSH)

Stenberg, Brad (STENBERB)

Leuthold, Niels (NLEUTHOLD)


Selected User(s)

Ames, Rob (RAMES)

Cancel

Share

To view queries that have been shared with you from other users, navigate to the **Shared With Me** tab from the QueryBuilder home page.



QueryBuilder

The QueryBuilder application provides the ability to create customized summary analyses of data from the PacFIN database using a menu-driven interactive interface.
The customized datasets can be downloaded and the query saved for future use or modification.

The user guide for QueryBuilder is [available here](#).

+ Start New Query

My Queries


Shared With Me


Shared With Me

Q ▾

Go

Actions ▾



 **NO REPORTS SHARED WITH ME**

You do not currently have any reports shared with you. Once you do, they will show up here.

