



We will now discuss and demonstrate how programs can use the reporting module to download and analyze data.

This slides corresponds to comprehensive training video time 54:54 (fifty-four minutes and fifty-four seconds).



Reports- Data Downloads

1. Click arrow for drop-down menu



2. Select 'Data Downloads'

Data Downloads
Well Inventory Summary
Well Inventory Specific
7520 (1,2A,2B,3)
7520-4

To begin, a user should click the drop down menu in the Reports module. Two options appear, “Data Downloads” and “Qlik Reports”. Each option will be discussed separately. If the user selects “Data Downloads”, they are given a menu of four different reports, as shown on the right side of the screen.



Reports- Data Downloads

Click arrow
for drop-down
menu

Well Summary Id	Fiscal Year	Primary Agency Code	State	Inher	Population	Area	Class1 R Well	Class1 Other Well	Class2 D Well	Class2 R Well	Class2 Other Well	Class3 Site	Class3 Well	Class4 Site
1121	2016	GAAR	GA		9688000	57913								
1122	2016	GUAA	GU		199000	210								
1123	2016	99DI	HI		1900000	6423								
1124	2016	OTDI	IA		3048200	55837				7				

Each of the four data download reports can be selected to view and download all data from that particular module. In the example on this slide, “Well Inventory Summary” is selected from the list of data downloads. The right side of this slide shows a screenshot of the corresponding data download.



Reports- Data Downloads- Well Summary

The screenshot shows a web interface for 'Data Downloads'. At the top, there are two dropdown menus: 'Fiscal Year' (with options 2013-2018) and 'Primacy Agency Code' (with 'All Primacy Agencies' selected). Below these is a search bar with a 'Go' button and an 'Actions' dropdown menu. A 'Download' button is also visible. The main area contains a table with the following data:

Well Summary	Fiscal Year	Primacy Agency Code	State	Tribe	Population	Area	Class1 Site Well	Class1 Other Well	Class2 D Well	Class2 R Well	Class2 Other Well	Class3 Site	Class3 Well	Class4 Site
1121	2016	GANR	GA		9688000	57513								
1122	2016	GUEA	GU		159000	210								
1123	2016	OROI	HI		1360000	6423								
1124	2016	OTDI	IA		3046000	55857								

At the top are filters for Fiscal Year and Primacy Agency (click). The search bar (click) can be used to quickly filter the records. For instance, typing “GANR in the search bar will return all records for GANR. Similarly, typing “2016” in the search bar will return all records for 2016.

To the right of the search bar is the Actions Menu (click). The Actions Menu will be discussed in detail on a coming next slide.

Below that is the Data Listing (click), which is a table of all applicable data based on the Data Download report selected and the sorting and filtering options used. The example in this screenshot is for summary well inventory, and so each row shows the well inventory for each year-primacy agency-state/tribe combination.

Clicking the “Download” button (click) downloads everything currently displayed in the Data Listing into a .csv file.

NOTE: Historic data is currently being checked for accuracy.



Reports- Tools Available

Click column headings for filter/sort menu

Well Inventory Summary

Q v Go Actions v

Well Summary Id	Fiscal Year	Primary Agency Code	State	State	Permit	Permit	Class of Well
1121	2016	GANR	TX	TX	TX	TX	313
1122	2016	GUEA	AK	AK	AK	AK	210
1123	2016	ORDI	AL	AL	AL	AL	3433
1124	2016	OTDI	AR	AR	AR	AR	327
1125	2016	IDWR	AZ	AZ	AZ	AZ	1568000 E2643

Sort Ascending

Sort Descending

Hide Column

Create Control Break

Filter Search Box

Filter by Selection

In the data listing, each column heading can be clicked. Once clicked, a menu appears with options to sort ascending, sort descending, hide column, create a control break, and filter.



Reports- Tools Available

Click for Actions Menu

Add or remove columns

Sort, aggregate, and compute using expressions

Advanced sorting

Save Report

Well Inventory Summary

Well Summary Id	Fiscal Year	Primary Agency Code	State	Tribes
1121	2016	GANR	GA	
1122	2016	GUEA	GU	
1123	2016	09DI	HI	
1124	2016	07DI	IA	

Advanced filtering

Create bar, line, and pie charts

Create pivot tables

Download Data

The Actions Menu is a very useful tool for data filtering, sorting, and analysis. When the Actions Menu is clicked (click), a list of options appears. Options include advanced filtering, creating bar, line, and pie charts, creating pivot tables, data download, add or remove columns, sort/aggregate/compute using expressions, advanced sorting, and Save Report. Save Report is useful because it allows users to save different types of filtering/sorting/charting/etc so that the user does not need to recreate certain views every time they go into the reports module.

For more detail on how to use the various functions in the Actions Menu, users can reference the User Guide, linked from the application home page.

