

Reports

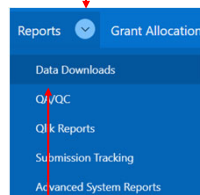


We will now discuss and demonstrate how programs can use the reporting module to download and analyze data.

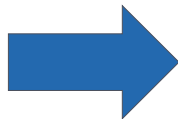
Reports - Data Downloads



1. Click arrow for drop-down menu



2. Select 'Data Downloads'



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

This slide is a screenshot of what is being covered in the recording from 0:41:23-0:41:40

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.

Reports - Data Downloads



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



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

Data Downloads Exit

Fiscal Year: Primary Agency Code: Apply

Summary

Go Actions Download

Primary Agency	Fiscal Year	EPA Region	State	Sub	Class1 New Well	Class1 Other Well	Class2 D Well	Class2 R Well	Class2 Other Well	Class3 Well	Class3 Site	Class4 Well	Class5 Well	Class6 Well
	2021													
	2020													
	2019													
	2018													
	2017													
	2016													
	2015													
	2014													
	2013													
	2012													
	2011													
	2010	EPA Region 10	10	183									2	
	2009	EPA Region 9	9	576									3	
	2008	EPA Region 9	9	577									5	
	2007	EPA Region 9	9	433									115	
	2006	EPA Region 5	5	479									6	
	2005	US EPA Region 5	5											
	2004	US EPA Region 5	5											

This slide is a screenshot of what is being covered in the recording from 0:41:40-0:42:02

Each of the four data download reports can be selected to view and download all data from that particular module.

Reports - Data Downloads- Well Summary



The screenshot shows a web interface titled "Data Downloads" with an "Exit" button in the top right. Below the title are two dropdown menus: "Fiscal Year" (with a list of years from 2013 to 2018) and "Primary Agency Code" (with "All Primary Agencies" selected). An "Apply" button is to the right of these menus. Below the filters is a search bar with a magnifying glass icon, a "Go" button, and an "Actions" dropdown menu. A "Download" button with a download icon is also present. Below the search bar is a table with the following columns: Well Summary Id, Fiscal Year, Primacy Agency Code, State, Tribe, Population, Area, Class1 Hw Well, Class1 Other Well, Class2 D Well, Class2 R Well, Class2 Other Well, Class3 Site, Class3 Well, and Class4 Site. The table contains four rows of data. A "Download to .csv" button is located to the right of the table. Red arrows point from labels "Filters", "Search Bar", "Data Listing", and "Actions Menu" to their respective elements in the screenshot.

Well Summary Id	Fiscal Year	Primacy Agency Code	State	Tribe	Population	Area	Class1 Hw 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	09DI	HI		1360000	6423								
1124	2016	07DI	IA		3046000	55857								7

This slide is a screenshot of what is being covered in the recording from 0:42:02-0:43:06

At the top are filters for Fiscal Year and Primacy Agency *Show that they are clickable*. The search bar 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 later.

Below that is the Data Listing, 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.

Reports - Tools Available



Click column headings for filter/sort menu

Sort Ascending

Sort Descending

Hide Column

Create Control Break

Filter Search Box

Filter by Selection

Well Summary Id	Fiscal Year	Primacy Agency Code	State	Type	Population	Area	Class	Hy Well
1121	2016	GANR						7513
1122	2016	GUEA						210
1123	2016	09DI						6423
1124	2016	07DI						2037
1125	2016	IDWR	ID		1568000			82643

This slide is a screenshot of what is being covered in the recording from 0:43:06-0:43:24

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

Advanced filtering

Create bar, line, and pie charts

Create pivot tables

Download Data

Well Summary Id	Fiscal Year	Primacy Agency Code	State	Tribes
1121	2016	GANR	GA	
1122	2016	GUEA	GU	
1123	2016	O9DI	HI	
1124	2016	07DI	IA	

This slide is a screenshot of what is being covered in the recording from 0:43:24-0:44:11

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.

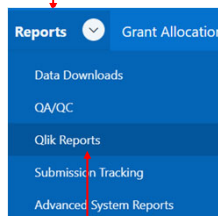
For more detail on how to use the various functions in the Actions Menu, users can

reference the User Guide, linked from the application home page.

Reports - Qlik



1. Click arrow for drop-down menu



2. Select 'Qlik Reports'

EPA Qlik Site



This slide is a screenshot of what is being covered in the recording from 0:44:11-0:44:40

The second option in the Reports module is Qlik Reports. Qlik is the name of the software platform that is being used to produce the reports. Users will be able to access Qlik using their web browsers, and view ready-made charts and graphs of all UIC inventory and 7520 Form 1-4 data. Qlik makes filtering, analyzing, and exporting data exceedingly easy.