



Florida Department of TRANSPORTATION



MAC Reports

October 26, 2023



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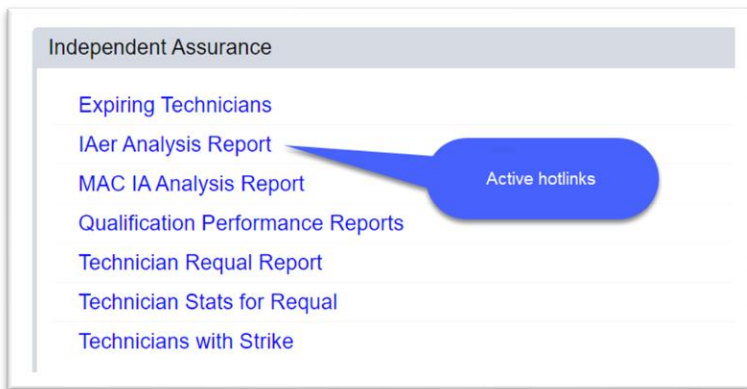
Reports

The Materials Acceptance and Certification system (MAC) has many report options available. Most reports do not require FDOT account login and credentials. These directions will provide general instructions on generating MAC reports.

Some reports do require you to have a valid account type to generate. These reports typically have sensitive information in them. To generate some reports, you must be logged into MAC. Anyone with a valid FDOT user id account or an active Internet Subscriber Account can log into MAC in Readonly mode and generate these reports.

How can you tell the difference?

A user logged in, even in Readonly will see all the reports with hotlinks.



If you are not logged into MAC, some reports will not have an active hotlink.



There are two types of reports in MAC: standard reports, and end user published reports. Standard reports are created and maintained by the MAC programmers and report against the transactional, production database. These must return “live” data, for example, the production facility or laboratory listings. End user published reports are reports created and maintained by the State Materials Office report writers and return data from the reporting database which is updated daily. The data can be up to 24 hours old. As a user, you won’t be able to see any difference. System administrators have a tool to publish reports and can see indicators on the end user published reports.

Lab	
Active Labs & Inspections [End User Report]	Active Labs and Inspections Report
Active Labs per Project	Summary of the labs identified on sample header infor
Contractor QCP Lab Check [End User Report]	Check of labs for qualification in material types
Invoice Lab Status Report [End User Report]	Invoice Lab Status Report
Qualified Labs Report	Listing of Qualified Labs by District and/or Category
Test Turnaround Time [End User Report]	Test Turnaround Time

Standard Report

As a user, you won’t need to know the difference except that some data may not be in an end user published report until the next day. For example, the SMO Certification Tracking project report will not show a sample for a certification document that you logged in today. That sample will not appear on the report until the next day.

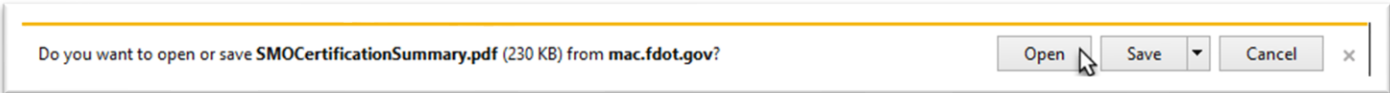
A. Summary Reports with No Parameters

Some reports have no parameters for the user to supply. These are typically summary reports. Clicking on the report hotlink generates the report. An example of one of these reports is the SMO Certification Summary. This report summarizes all the MAC Materials that have a certification document that must be logged into MAC for State Materials Office review. Since it is just a summary of all the MAC Specs, there’s no parameters to select.

Sample	
Aggregate Duplicate Samples	A summary report that highlights aggregate control program duplicated samples
Aggregate Sample Analysis Report	Aggregate product test data summary report which highlights specific test results with in a date range or the last 30 samples.
Air Void Report	Asphalt Sample Air Void Report
Asphalt Content Test Result	Asphalt Content Test Result Summary Report for Asphalt Samples
Asphalt LOTS Closed due to 30 Days Reached	A report of Asphalt LOTS closed due to 30 days reached.
Asphalt LOTS Closed due to QC Failure	A report summarizing all asphalt LOTS closed because of a failure in QC testing.
Asphalt Sample Pay Factor Report	Track and analyze calculated pay factors and production tonnage
Binder and Emulsion Report	Binder and Emulsion Sample Report
Chloride Test Summary	Chloride Test Result Summary Report
Composite Pay Factor Report for In-Progress Lot	This report calculates the Composite Pay Factor for unfinished samples
Contract Open Sample Summary	A summary of open samples submitted to FDOT by sample status.
IV-PC Report	Displays the results of IV and PC samples side by side, also IVR sample if used.
LIMS Certificate of Analysis	LIMS Sample Certificate of Analysis Report
LIMS Sample by Project ID	LIMS Sample by Project ID
Producer Chloride Summary	Producer Chloride Sample Summary
Rolling Straightedge Summary	Rolling Straightedge Summary that returns sample results with parameter options for Friction or Structural or Both. Also parameter for Rolling Straightedge sample results by project ID and Date Range.
Sample Certificate Of Analysis	Reports all sample and test information for a given sample.
Sampled By Report	Monthly Sampled By and Sample Initiated By Report for Asphalt samples
SMO Certification Summary	A summary of all MAC Specs containing certification document that must be reviewed by the State Materials Office.

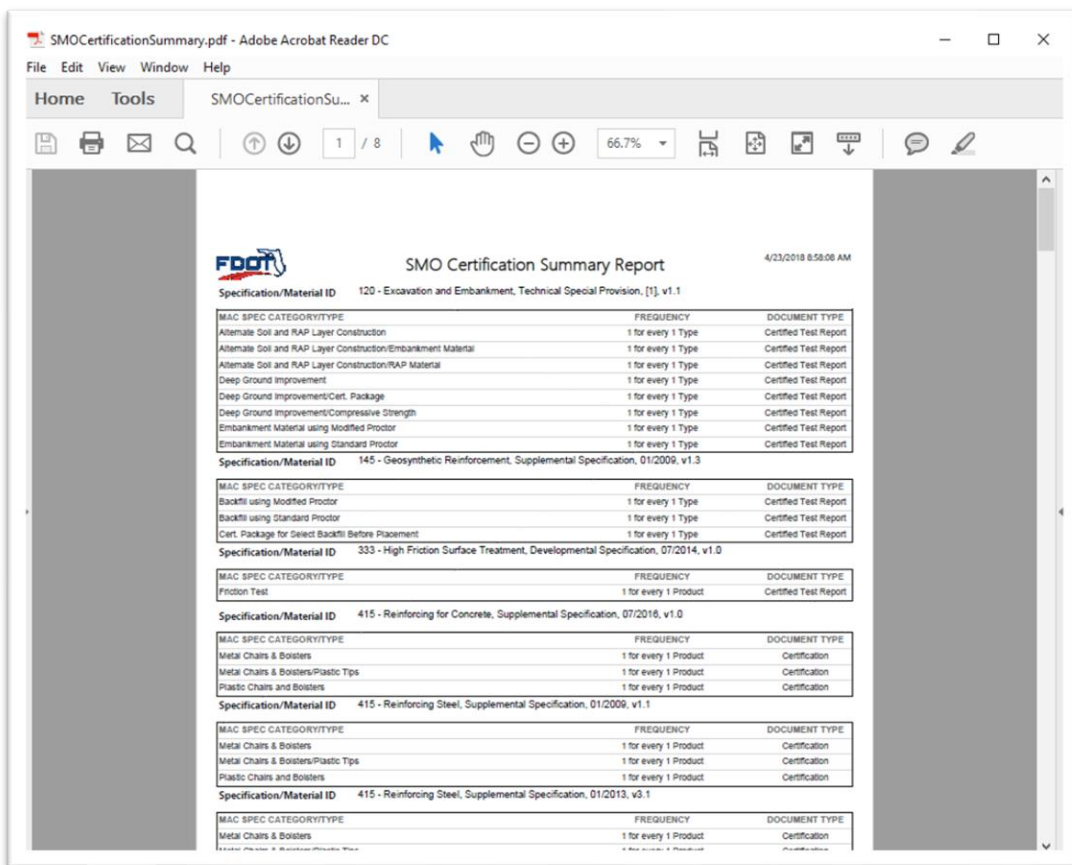
1. Select the SMO Certification Summary report option.

MAC will immediately begin to download the data. A download dialog box will appear according to the browser you are using. You can save the file and view it later or you can open it. It will open in pdf format. You will need an application that can open pdf files.




2. When the download is complete, select the Open option to open the report.

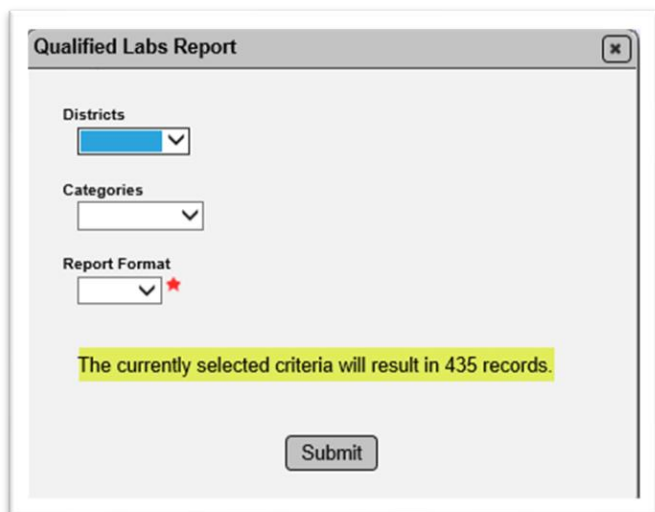
The report will open in an application that reads pdf files. From here, you should be able to save or print the report. Select X at the top right of the screen to close the application and return to MAC.



B. Reports with Parameters

Most MAC reports will ask the user for parameters. Many reports return a lot of data without the parameters; sometimes too much data to be useful. Sometimes with too much data, the report will time out before the data can be compiled. Parameters allow you to narrow down the report to entries that are of interest to you.

When you select a report that has parameters, a dialog box will appear. A  indicates a required field. Some standard reports will show you how many results will be returned without any parameter selections. As you provide parameters, this count will be update. Here is an example from the Qualified Labs Report.



Qualified Labs Report

Districts

Categories

Report Format *

The currently selected criteria will result in 435 records.

Submit

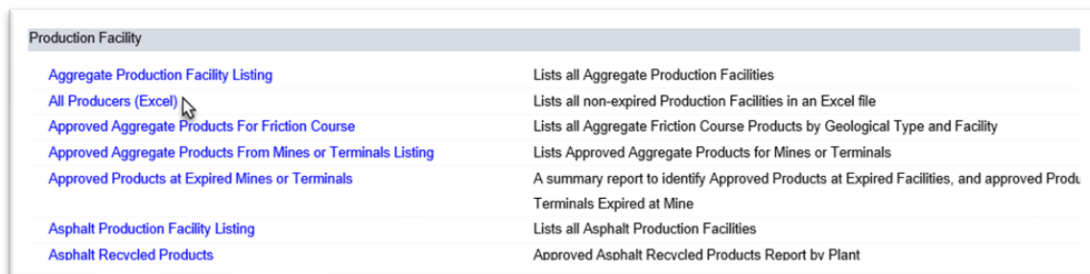
The only required field is the report format, Excel, or pdf. Instructions for generating this report are given in Section C Example Reports [2. Laboratory Listing](#).

C. Example Reports

Here are some examples of the more common reports generated from MAC.

1. **Production Facility Listings**

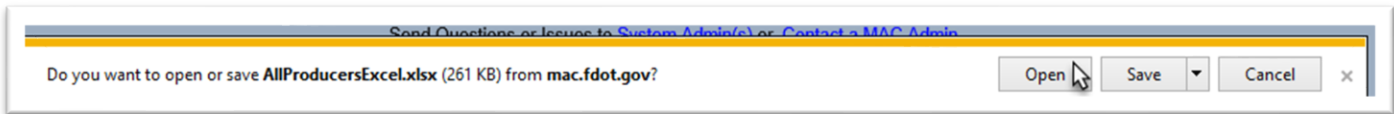
The first tab on the Reports tab is for Production Facilities. There is one report that gives you most of the summary data for all producers in Excel format.



Production Facility	
Aggregate Production Facility Listing	Lists all Aggregate Production Facilities
All Producers (Excel)	Lists all non-expired Production Facilities in an Excel file
Approved Aggregate Products For Friction Course	Lists all Aggregate Friction Course Products by Geological Type and Facility
Approved Aggregate Products From Mines or Terminals Listing	Lists Approved Aggregate Products for Mines or Terminals
Approved Products at Expired Mines or Terminals	A summary report to identify Approved Products at Expired Facilities, and approved Products at Expired Facilities, and approved Products at Expired Facilities, and approved Products at Expired Facilities
Asphalt Production Facility Listing	Lists all Asphalt Production Facilities
Asphalt Recycled Products	Approved Asphalt Recycled Products Report by Plant

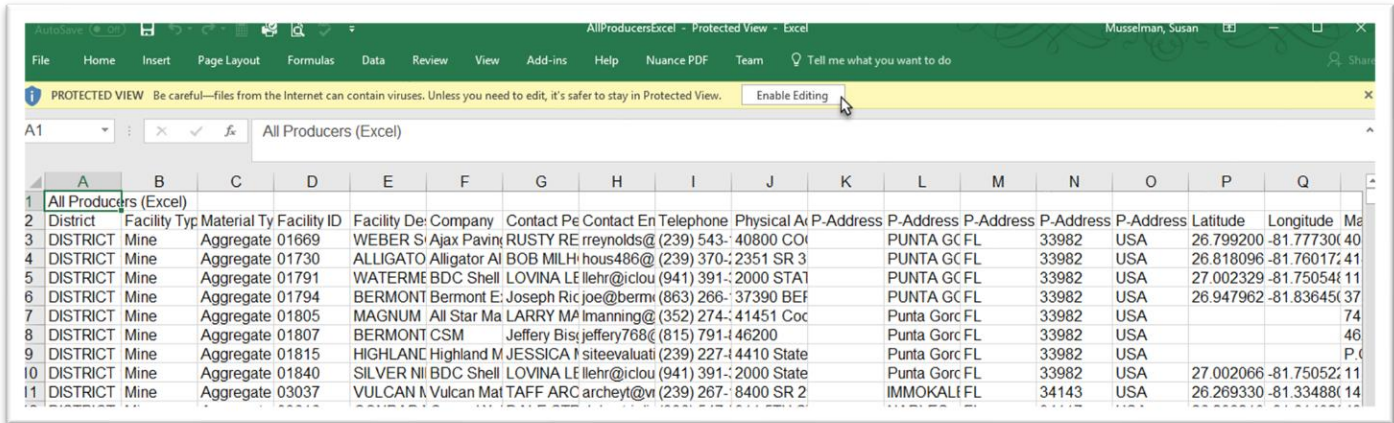
1. Select the All Producers (Excel) option.

Because this is a summary report, no parameters are needed. When the data download completes a download dialog box will appear according to the browser you are using.



2. Select the Open option.

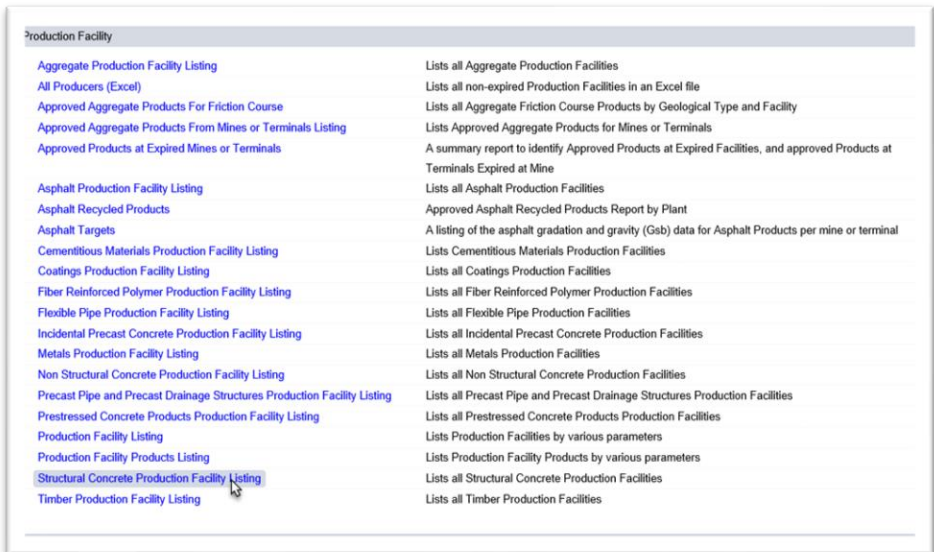
If your settings open the file in a protected view, you will need to enable editing.



3. Select Enable Editing.

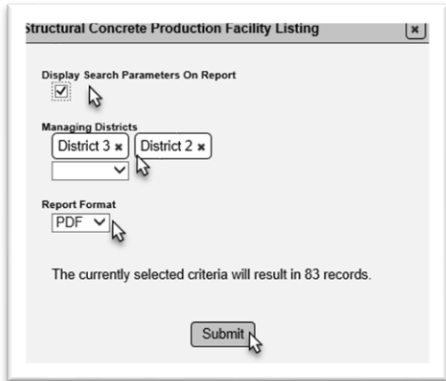
Now you can use Excel Features, like Sort and Filter to review the data.

Other production facility reports are for specific material types and/or products. For example, there is a report for approved aggregate products at mines or terminals that gives the status of the production facility and the product.



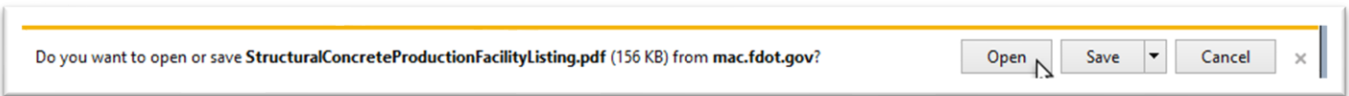
1. Select the production facility report for the material type or product you want to see; for example, Structural Concrete Production Facility Listing.

A [Structural Concrete] Production Facility Listing dialog box will appear.



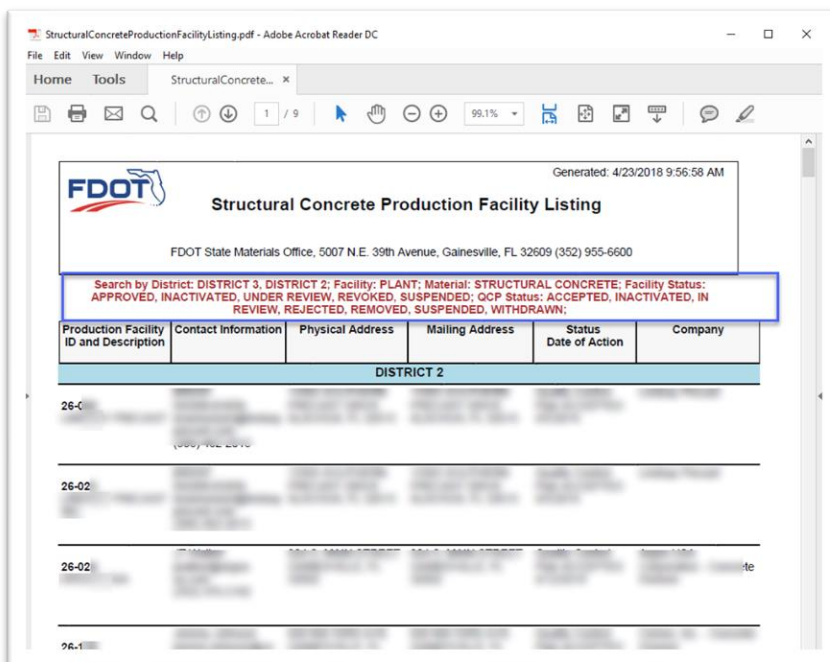
1. Some standard reports have a Display Search Parameters on Report indicator. If you select this, the parameters you select on the dialog box will display along with the internal report parameters.
2. Managing District is optional and multi-select.
3. Report format is required. Select Excel or pdf.
4. Select Submit to generate the report.

When the data download completes a download dialog box will appear according to the browser you are using.



2. Select the Open option.

The report will open in an application compatible with the format you selected. You will see the parameters at the top of the report.

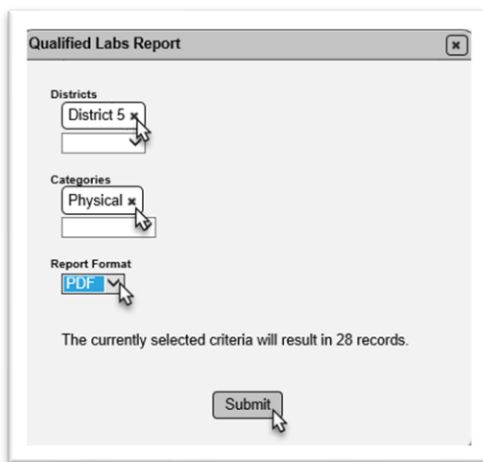


2. Laboratory Listing

Lab	
Active Labs & Inspections	Active Labs and Inspections Report
Active Labs per Project	Summary of the labs identified on sample header information for a specific project or projects.
Contractor QCP Lab check	Check of labs for qualification in material types
Invoice Lab Status Report	Invoice Lab Status Report
Qualified Labs Report	Listing of Qualified Labs by District and/or Category

1. Under the Lab tab, select the Qualified Labs Report option.

A Qualified Labs Report dialog box will appear.



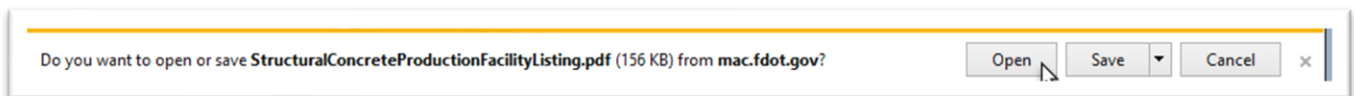
The dialog box titled "Qualified Labs Report" contains three sections: "Districts" with a dropdown menu showing "District 5", "Categories" with a dropdown menu showing "Physical", and "Report Format" with a dropdown menu showing "PDF". Below these sections, it states "The currently selected criteria will result in 28 records." and a "Submit" button is located at the bottom.

2. Select parameters to reduce the number of returned entries if desired.

a. For labs qualified to perform test methods related to structural materials, such as ASTM C39 for structural concrete compressive strength, select the Physical Category.

3. Select Submit to generate the report.

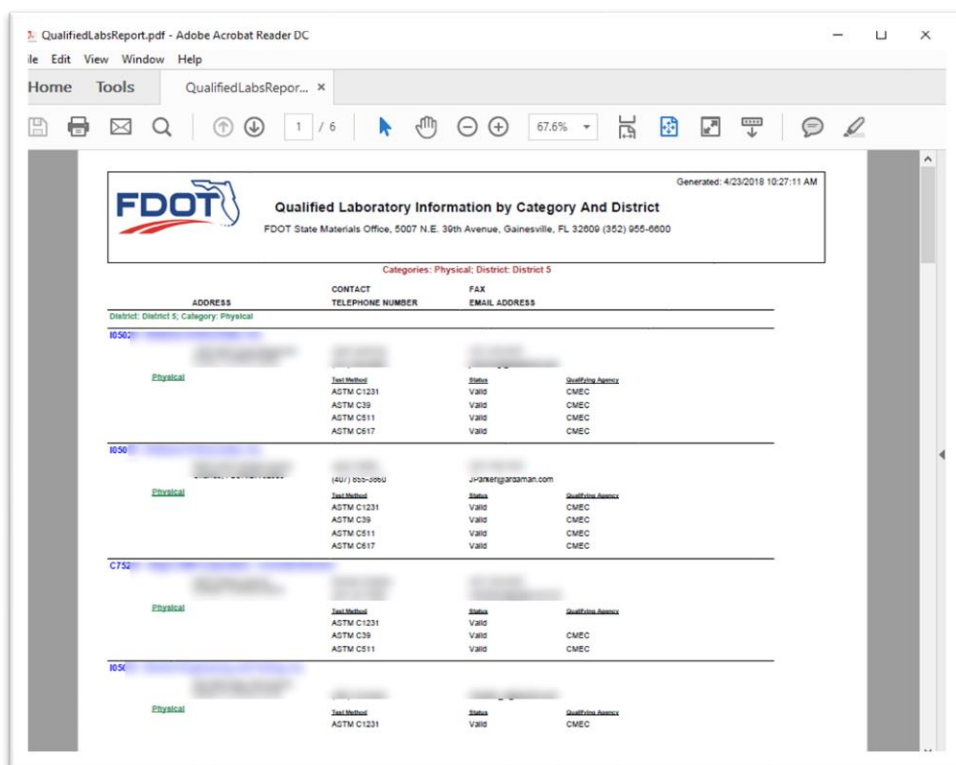
When the data download completes a download dialog box will appear according to the browser you are using.



The dialog box asks "Do you want to open or save StructuralConcreteProductionFacilityListing.pdf (156 KB) from mac.fdot.gov?". It features three buttons: "Open", "Save", and "Cancel".

2. Select the Open option.

The report will open in an application compatible with the format you selected. You will see the parameters at the top of the report.



3. Project Reports

Sample Summary Reports

There are several sample summary reports available under the Projects tab on the Report screen. These reports are intended to provide a quick glance for QC Managers, Project Administrators and MC Reviewers on the current state of project samples and minimum frequency requirements.

Open Sample Report

There is one report that can be used to find any open samples. The report has many options so it is flexible. With some parameters a user can find all the open samples that still have sample life cycle steps needed. With additional parameters, a user can find ALL open samples; those still in the sample life cycle as well as those that are finalized but are required to be in a comparison package or have resolution and don't have that yet.

Sample Tracking Reports

There are two sample tracking reports that are important to project personnel and MC Reviewers: 1) the APL Project Tracking Summary and 2) the SMO Certification Tracking report. Both designate when the JGS has MAC Specs that may require a sample for the particular category/type and whether there is/are sample(s) for that category/type.