

# QAQCR for pXRF Quick Guide

January 2022

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## Version History

Version	Date	Person	File Name
1.0	August 2021	K. Thompson	pXRF QAQCR Workflow
2.0	January 2022	S Dexter	QAQCR for pXRF Quick Guide

## 1.0 Overview

QAQCR enables users to view QAQC data relating to pXRF results. A separate configuration must be created from the standard assay QAQC. There are two options depending on whether the standard maxgeo Data Schema (MDS) XRF tables are in use.

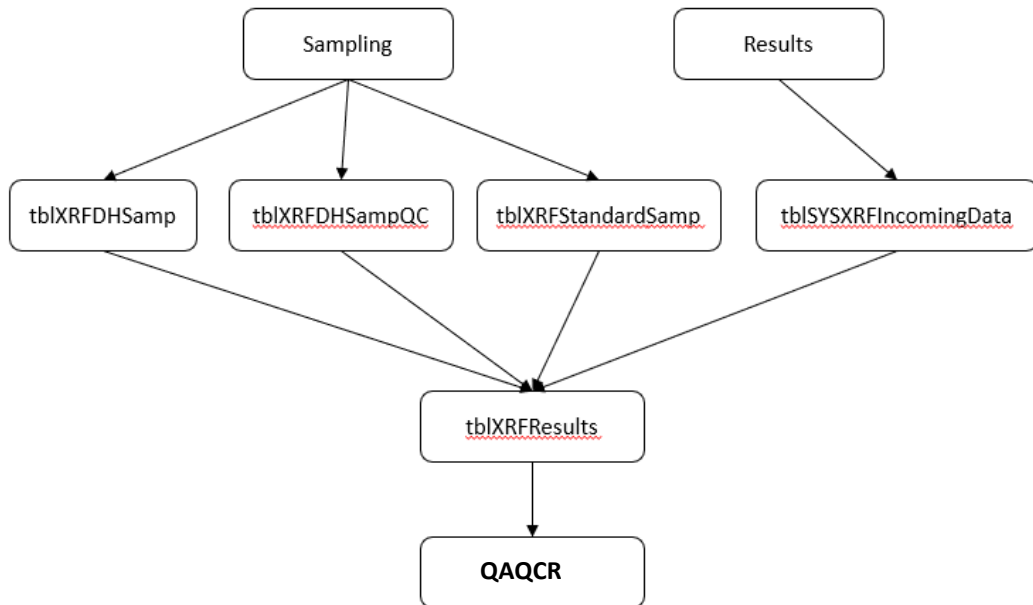
Original assay results can be compared to pXRF results by creating a view to present the pXRF data as a repeat. A separate configuration must be created, and there are two methods for this depending on whether the pXRF sampling has been loaded to the MDS XRF tables or in the standard MDS sample tables.

This Quick Guide is designed to get you started. Further information can be found in the QAQCR User Manual or contact [servicedesk@maxgeo.com](mailto:servicedesk@maxgeo.com) for assistance.

## 2.0 Create configuration in QAQCR

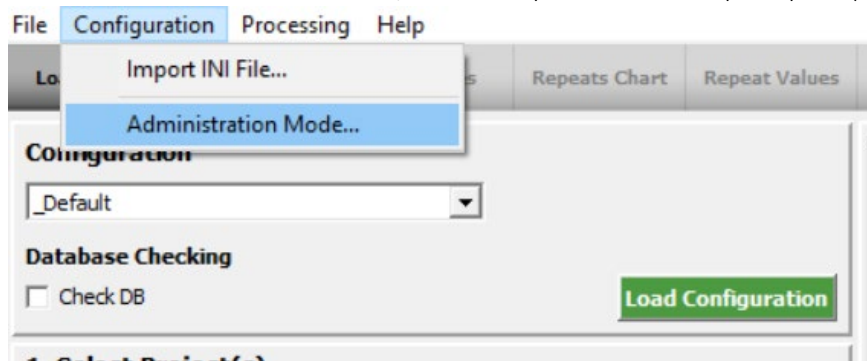
### 2.1. Standard MDS XRF Tables

Standard MDS XRF workflow:

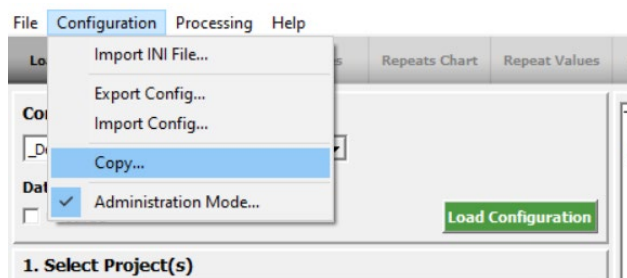


Process to create workflow for review of pXRF results in QAQCR;

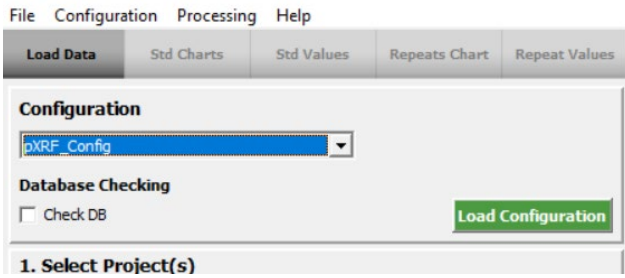
1. Turn on Administration mode, and enter password when prompted (default = "password")



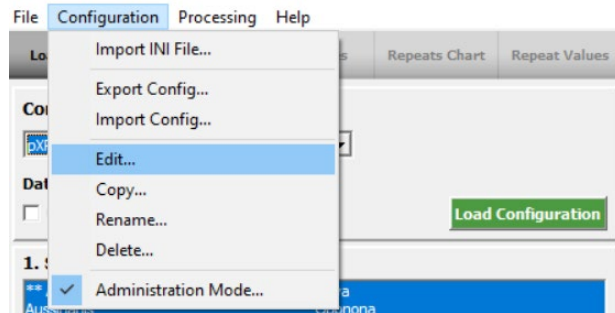
2. Create new configuration by selecting "Copy" and name appropriately (suggest pXRF\_config)



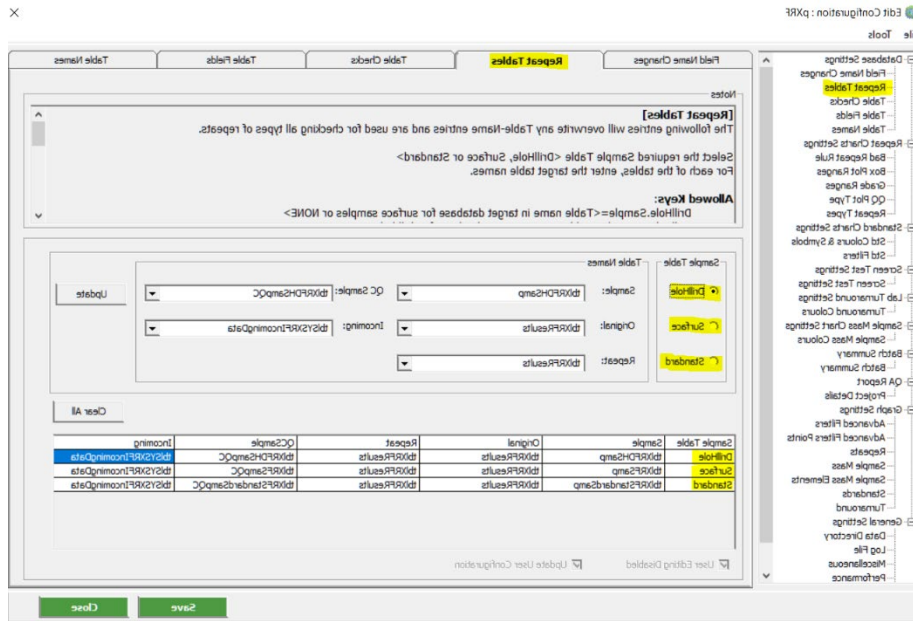
3. Select new configuration in dropdown, and click on “Load Configuration”



4. Edit configuration



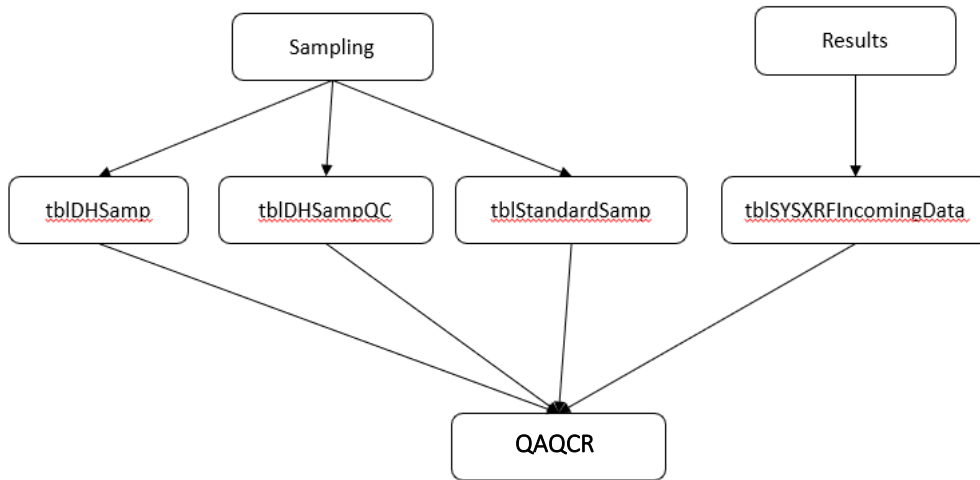
5. Map “Repeat Tables” to XRF tables as below (make sure to click on “Update” to save changes)



6. Close Administration mode and return to home screen. Configuration is complete.

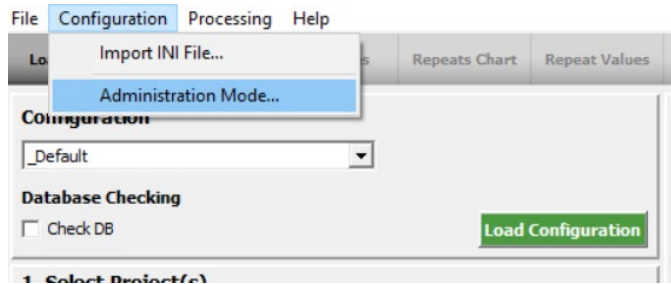
### 2.2. Standard MDS sampling tables

Workflow is as follows:

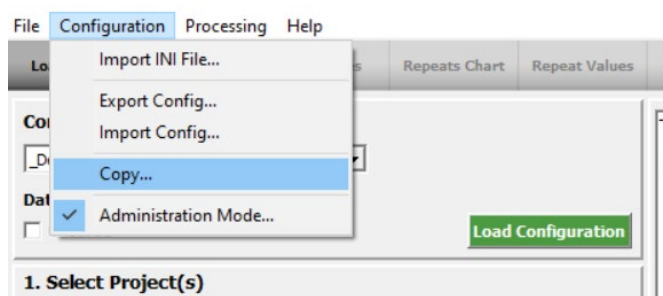


Process to create workflow for review of pXRF results in QAQCR:

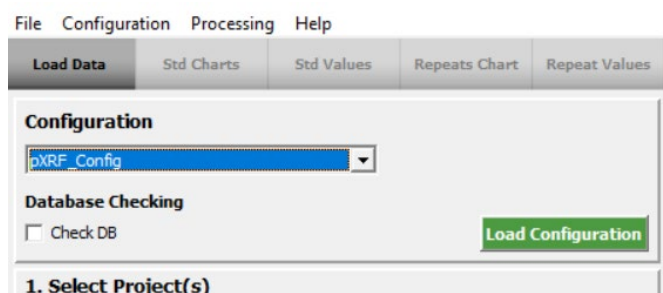
1. Turn on Administration mode, and enter password when prompted (default = “password”)



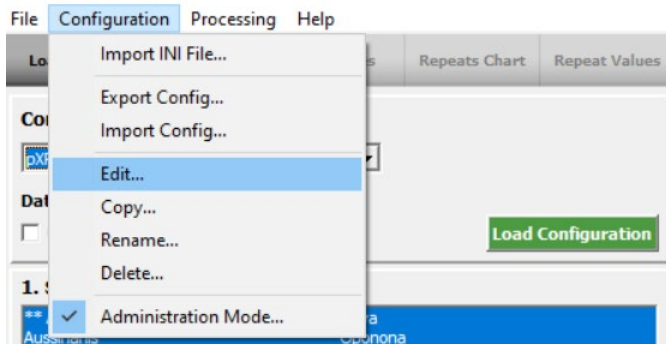
2. Create new configuration by selecting “Copy” and name appropriately (suggest pXRF\_config)



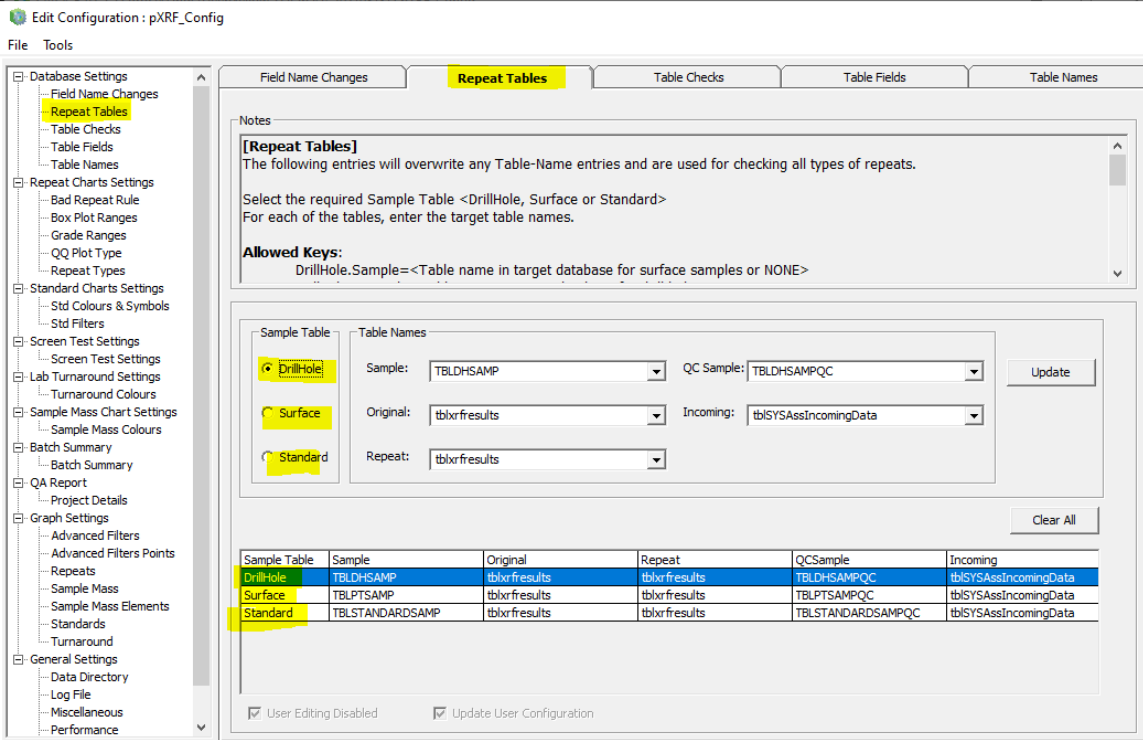
3. Select new configuration in dropdown, and click on “Load Configuration”



### 4. Edit configuration



### 5. Map "Repeat Tables" to XRF tables as shown below (make sure to click on "Update" to save changes)



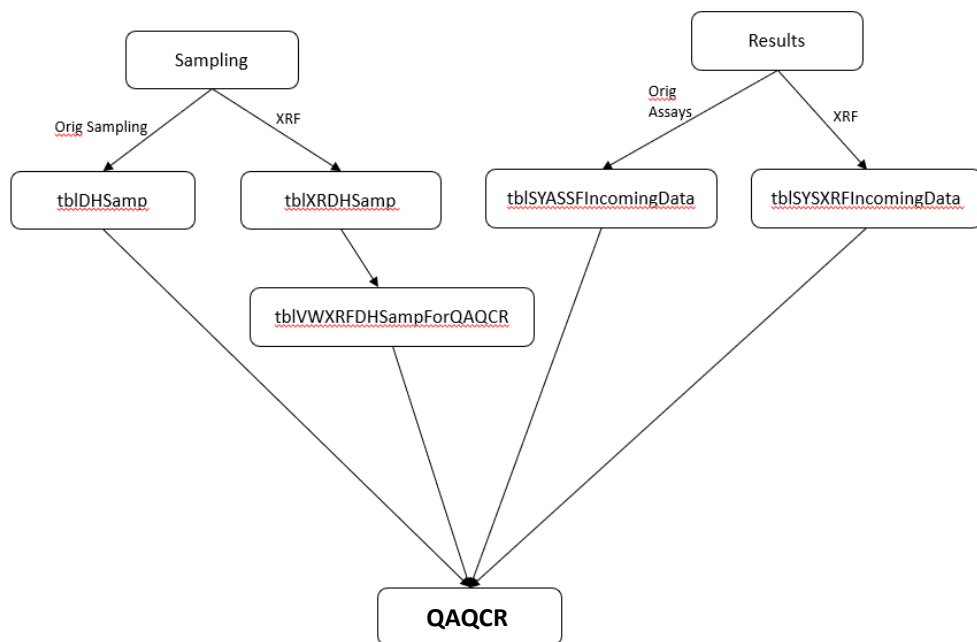
### 6. Close Administration mode and return to home screen. Configuration is complete.

## 3.0 Create configuration to compare Original Assay with pXRF

### 3.1. Standard MDS XRF tables

This configuration is created so users can compare original assay results with XRF results.

Workflow is as follows:



Process to create workflow for review of pXRF results against original assay results in QAQCR is as follows

1. Create a view in SQL of the xrf samples, with the field "QC\_Category" included. Only one element needs to be selected for the join. Ensure it is one that is always present in the XRF results. E.g.

```

CREATE VIEW [dbo].[tblVWXRFDHSampForQAQCR]
AS
SELECT dbo.tblDHSamp.DataSet, dbo.tblXRFDHSamp.SampleID, dbo.tblDHSamp.Hole_ID,
dbo.tblDHSamp.Depth_From, dbo.tblDHSamp.Depth_To, dbo.tblDHSamp.SampleID AS
Orig_SampleID, 'pXRF' AS QC_Category, dbo.tblXRFResults.Element
FROM dbo.tblXRFResults
INNER JOIN
dbo.tblXRFDHSamp ON
dbo.tblXRFResults.SampleID = dbo.tblXRFDHSamp.SampleID AND dbo.tblXRFResults.DataSet =
dbo.tblXRFDHSamp.DataSet
INNER JOIN
dbo.tblDHSamp ON
dbo.tblXRFDHSamp.DataSet = dbo.tblDHSamp.DataSet AND dbo.tblXRFDHSamp.Depth_From =
dbo.tblDHSamp.Depth_From AND dbo.tblXRFDHSamp.Depth_To = dbo.tblDHSamp.Depth_To
WHERE (dbo.tblXRFResults.Element = 'Ag')
GO
  
```

2. Follow the steps noted previously to set up a new configuration in QAQCR



### 3. Map "Repeat Tables" as shown below (make sure to click on "Update" to save changes)

Edit Configuration : pXRF v Orig

File Tools

- Database Settings
  - Field Name Changes
  - Repeat Tables**
  - Table Checks
  - Table Fields
  - Table Names
- Repeat Charts Settings
  - Bad Repeat Rule
  - Box Plot Ranges
  - Grade Ranges
  - QQ Plot Type
  - Repeat Types
- Standard Charts Settings
  - Std Colours & Symbols
  - Std Filters
- Screen Test Settings
  - Screen Test Settings
- Lab Turnaround Settings
  - Turnaround Colours
- Sample Mass Chart Settings
  - Sample Mass Colours
- Batch Summary
  - Batch Summary
- QA Report
  - Project Details
- Graph Settings
  - Advanced Filters
  - Advanced Filters Points
  - Repeats
  - Sample Mass

Field Name Changes

**Repeat Tables**

Table Checks

Table Fields

Table Names

Notes

**[Repeat Tables]**  
The following entries will overwrite any Table-Name entries and are used for checking all types of repeats.

Select the required Sample Table <DrillHole, Surface or Standard>  
For each of the tables, enter the target table names.

**Allowed Keys:**  
DrillHole.Sample=<Table name in target database for surface samples or NONE>

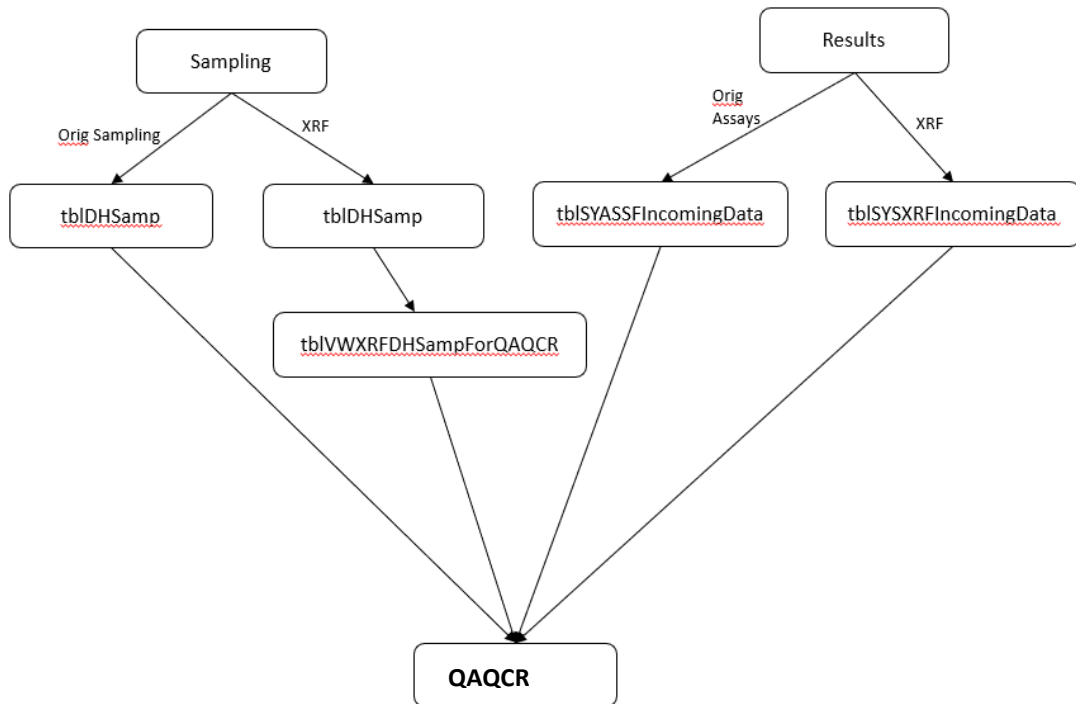
Sample Table	Table Names			
<input checked="" type="radio"/> DrillHole	Sample: TBLDHSAMP	QC Sample: tblVWXRFDHSampForQAQCR	Update	
<input type="radio"/> Surface	Original: TBLASSAY	Incoming: tblSYSXRFIncomingData		
<input type="radio"/> Standard	Repeat: TBLXRFRESULTS			

Clear All

Sample Table	Sample	Original	Repeat	QCSample	Incoming
DrillHole	TBLDHSAMP	TBLASSAY	TBLXRFRESULTS	tblVWXRFDHSampForQAQCR	tblSYSXRFIncomingData

### 3.2. Standard MDS sampling tables

Workflow is as follows:



Process to create workflow for review of pXRF results in QAQCR is as follows:

1. Create a view in SQL of the xrf samples, with the field “QC\_Category” included. Only one element needs to be selected for the join, so ensure it is one that is always present in the XRF results. E.g.

```
CREATE VIEW [dbo].[tblVWXRFDHSampForQAQCR]
AS
SELECT dbo.tblDHSamp.DataSet, dbo.tblDHSamp.SampleID, dbo.tblDHSamp.Hole_ID,
dbo.tblDHSamp.Depth_From, dbo.tblDHSamp.Depth_To, dbo.tblDHSamp.SampleID
AS Orig_SampleID, 'pXRF' AS QC_Category, dbo.tblXRFResults.Element
FROM dbo.tblXRFResults
INNER JOIN
dbo.tblDHSamp ON
dbo.tblXRFResults.SampleID = dbo.tblDHSamp.SampleID AND dbo.tblXRFResults.DataSet =
dbo.tblDHSamp.DataSet
WHERE (dbo.tblXRFResults.Element = 'Nb')
GO
```

2. Follow the steps noted previously to set up a new configuration in QAQCR
3. Map “Repeat Tables” as shown below (make sure to click on “Update” to save changes)

