

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 <u>servicedesk@maxgeo.com</u> for assistance.

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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") File Configuration Processing Help

Che	eck DB		Load	Configuration
Datab	ase Checking	_		
Defau	Administration Mode guration			
Lo	Import INI File	5	Repeats Chart	Repeat Values

2. Create new configuration by selecting "Copy" and name appropriately (suggest pXRF_config)

Lo	Import INI File	5	Repeats Chart	Repeat Values	5
Co	Export Config Import Config				F
]_D	Сору	L,			1
Dat	 Administration Mode 		Load	Configuration	
1.5	Select Project(s)				



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

File Configuration Processing Help

Load Data	Std Charts	Std Values	Repeats Chart	Repeat Values
Configuratio	on			
pXRF_Config		•		
Database Che	ecking			
Check DB			Load	Configuration
1. Select Pr	oiect(s)			

4. Edit configuration

File	Configuration	Processing	Help		
Lo	Import IN	File	s	Repeats Chart	Repeat Values
Co	Export Co Import Co	nfig nfig			
DXH	Edit		H		
Dat	Copy Rename			Load	Configuration
1. 9	 Administr 	ation Mode	a		

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

Table Names		Table Fields	e Checks	(disT	peat Tables	s Re	Field Name Change	ase Settings
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							Notes	speat Lables
							[Repeat Tables]	sble Fields
		ing all types of repeats.	used for check	ies and are	ny Table-Name entr	es will overwrite a	The following entri	ble Names
								at Charts Settings
				Standard>	rillHole, Surface or	I Sample Table <d< td=""><td>Select the required</td><td>d Repeat Rule</td></d<>	Select the required	d Repeat Rule
					et table names.	iles, enter the targ	For each of the tab	x Plot Ranges
								ade Ranges
		<71401			adatah tanast si ame		Allowed keys:	2 Plot Type
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								d Colours & Symbols
								d Filters
						able Names	Sample Table	n Test Settings
1	1	2021/02/0	OC Sample:			Sample: Haboro	alating a	reen Test Settings
Update	-	СКНОНЗатрос	M l'adune 25	-	45amp	CHAKUR	Storming .	irnaround Settings
			_					maround Colours
	-	SYSXRFIncomingData	Incoming: tbl	-	esults	Original: tbixRFR	() Surface	e Mass Chart Settings
								Imple Mass Colours
				-	esults	Repeat: tbixRFR	C Standard	tch Summary
								port
								oject Details
Clear All								Settings
								Ivanced Filters
	Incoming	QCSample	1	Repeat	Original	le	Sample Table Samp	Wanted Filters Points
IncomingData	thisysxRF	tblXRFDHSampQC	Results	tbookH	tb/XRFResults	FDHSamp	DrillHole tblXR	mple Mass
IncomingData	TDISTSARCI	DIXKP58mp.cc	<esuits< td=""><td>agylet</td><td>tbiXKPResurs thivpEpaciate</td><td>F5dardsamp</td><td>Surrace why</td><td>mple Mass Elements</td></esuits<>	agylet	tbiXKPResurs thivpEpaciate	F5dardsamp	Surrace why	mple Mass Elements
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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") File Configuration Processing Help

Lo	Import INI File	5	Repeats Chart	Repeat Values
Com	Administration Mode			
Datab	ase Checking	•		
Che	eck DB		Load	Configuration
	act Drojact(c)			

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

File	Configuration	Processing	Help			
Lo	Import IN	File		5	Repeats Chart	Repeat Values
Co	Export Co Import Co	nfig onfig				
PXF	Edit			μ		
Dat	Copy Rename				Load	Configuration
1. :	Delete					
** , Aus	✓ Administr	ation Mode	Opt	a nona		

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

Edit Configuration : pXRF_Co	onfig										
ile Tools											
Database Settings	^ (Field Name (hanges	Rep	eat Tables	1	able Checks	Ì	Table Fields	Ì	Table Names
Field Name Changes Repeat Tables Table Checks		Notes	-11								
Table Pields		The following	[Repeat Tables] ^ The following entries will overwrite any Table-Name entries and are used for checking all types of repeats.								
- Bad Repeat Rule - Box Plot Ranges - Grade Ranges		Select the re For each of t	Select the required Sample Table <drillhole, or="" standard="" surface=""> For each of the tables, enter the target table names.</drillhole,>								
QQ Plot Type Repeat Types		Allowed Key Drill	/s: Iole.Sample=	<table nam<="" td=""><td>ne in target datal</td><td>base for sur</td><td>face samples o</td><td>or NONE></td><td></td><td></td><td></td></table>	ne in target datal	base for sur	face samples o	or NONE>			
- Standard Charts Settings											
Screen Test Settings		- Sample Table	Table Nar	mes							
Lab Turnaround Settings		C DrillHole	Sample:	TBLDHSA	MP	•	QC Sample:	TBLDHSAMP	çc	•	Update
Sample Mass Chart Settings Sample Mass Colours		C Surface	Original	tblxrfres	ults	•	Incoming:	tblSYSAssInd	comingData	•	
Batch Summary		C Standard	Repeat:	tblxrfres	ults	_	·				
Project Details											
Graph Settings Advanced Filters											Clear All
Advanced Filters Points		Sample Table	Sample		Original	Rep	peat	QCS	ample	Incoming	
Repeats		DrillHole	TBLDHSAMP		tblxrfresults	tbb	afresults	TBLC	HSAMPQC	tblSYSAssI	IncomingData
- Sample Mass		Surface	TBLPTSAMP		tblxrfresults	tbb	afresults	TBLF	TSAMPQC	tblSYSAssI	IncomingData
Sample Mass Elements		Standard	TBLSTANDARD	SAMP	tblxrfresults	tbb	afresults	TBLS	TANDARDSAMPQC	tblSYSAssI	IncomingData
Standards											
····· Turnaround											
General Settings											
Data Directory											
Log File		-		=							
Miscellaneous		🖌 User Editin	g Disabled	Iv Updal	e User Configuratio	n					
Performance	*										

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

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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
             (dbo.tblXRFResults.Element = 'Ag')
WHERE
G0
```

^{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

ile ioois							
🖃 Database Settings 🔥 🔺	Field Name Ch	anges	Repeat Tables	Table Checks	Table Fields	T	able Names
Field Name Changes				,			
Repeat Tables	Notes						
Table Checks	ivotes						
Table Fields	[Repeat Table	es]					
Table Names	The following e	entries will ov	erwrite any Table-Name e	ntries and are used for ch	ecking all types of repeats.		
- Repeat Charts Settings							
Bad Repeat Rule	Select the requ	ired Sample	Table <drillhole, of<="" surface="" td=""><td>or Standard></td><td></td><td></td><td></td></drillhole,>	or Standard>			
Box Plot Ranges	For each of the	tables, ente	r the target table names.				
Grade Ranges							
QQ Plot Type	Allowed Keys	:					
Repeat Types	DrillHo	le.Sample=<	Table name in target data	base for surface samples	or NONE>		
- Standard Charts Settings							
Std Colours & Symbols							
Std Filters	Coursely Table	Table Name					
Screen Test Settings	Sample Table	Table Name	-5				
Screen Test Settings	C S BULL	Constant					
- Lab Turnaround Settings	(• DrillHole	sample:	TBLDHSAMP		tblVWXRFDHSampForQAQCR	- L	Jpdate
Turnaround Colours							
- Sample Mass Chart Settings	C Surface	Original:	TBLASSAY	Incoming:	tblSYSXRFIncomingData	-	
Sample Mass Colours			1				
Batch Summary	Constant	Desert					
Batch Summary	C Standard	Repeat:	TBLXRFRESULTS	•			
- QA Report							
Project Details							
- Graph Settings						(Clear All
Advanced Filters							
Advanced Filters Points	Sample Table	ample	Original	Peneat	OCSample	Incoming	
Repeats	DrillHole 1		TRI ASSAY	TRI XRERESI II TS	thivwxREDHSampEorOA		inoData
Sample Mass		OLDI IOMI'II		TOESIG RESOLTS	ant that bridanipi droga	Contraster Incom	ingoata

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.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)

File Tools

Database Settings	Field Name C	hanges	Repeat Tables	Table Checks	Table Fields	Table Names						
Field Name Changes				P								
Repeat Tables	Notes											
- Table Checks	Table Checks											
Table Fields	Fields [Repeat Tables]											
Table Names The following entries will overwrite any Table-Name entries and are used for checking all types of repeats.												
Repeat Charts Settings												
Bad Repeat Rule	-Bad Repeat Rule Select the required Sample Table < DrillHole, Surface or Standard>											
Box Plot Ranges	For each of the tables, enter the target table names.											
Grade Ranges												
QQ Plot Type	Allowed Key	s:										
Repeat Types	DrillH	ole.Sample= <ta< td=""><td>ble name in target datal</td><td>base for surface samples or N</td><td>DNE></td><td></td></ta<>	ble name in target datal	base for surface samples or N	DNE>							
Standard Charts Settings	J											
Std Colours & Symbols												
Std Filters	Courses Table	Table Manage										
Screen Test Settings	-Sample Table	Table Names -										
Screen Test Settings	C S HULL	Complex D										
🗄 🛛 Lab Turnaround Settings	• DrillHole	Sample:	TBLDHSAMP	■ QC sample: BIV	VXRFDHSampForQAQCR	▼ Update						
Turnaround Colours												
Sample Mass Chart Settings	O Surface	Original:	TBLASSAY	 Incoming: tbls) 	SXREIncomingData	-						
Sample Mass Colours												
Batch Summary		Denote D										
Batch Summary	Standard	Repeat:	TBLXRFRESULTS	•								
🖻 QA Report												
Project Details												
Graph Settings						Clear All						
Advanced Filters												
Advanced Filters Points	Sample Table	Cample	Original	Report	OCEample	Incoming						
Repeats	DrillHole				thivwypepusampear0400	thisvsvpEIncomingData						
- Sample Mass			TULASSAT	TULARI RESULTS	DIVINARI DI ISalipi Di QAQO	UIST SXRT IncomingData						